

Daily Standup Meetings

Project: ComboCounter

Date: 5/22/20

Attendees: Calvin Mark, Daniel Mato

Start time: 3:45

End time: 4:00

Daniel Mato:

- What was done since the last scrum meeting?
 1. Learning more about C#, the language of the project
 2. Continuing to familiarize with the current codebase
- What is planned to be done until the next scrum meeting?
 1. Learn more about how the Windows Forms works
 2. Assess what User Stories can be accomplished by the end of the 5th sprint
 3. Continue writing out more User Stories with the help of the PO
- What are the hurdles?
 1. C# is a new language that has different features which I have not been accustomed to
 2. Familiarizing with a new codebase without knowing the language is initially difficult to understand completely.
 3. My main operating system is macOS and the software works only on Windows so I had to migrate to Windows

Calvin Mark

- What was done since the last scrum meeting?
 - a. Learn C# and how the project works
 - b. Attempt to get code working
 - What is planned to be done until the next scrum meeting?
 - a. Be able to run code on VM
 - b. Continue to plan out sprints, user stories and point allocations
 - c. Continue to familiarize self with C#
 - What are the hurdles?
 - a. Issues running code on mac. Moved to virtual machine
 - b. Issues getting virtual machine working (working now). Is performing slowly but making progress
 - c. I have never used C# so it will take some getting used to.
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Project: ComboCounter

Date: 05/26/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30

End time: 10:45

Daniel Mato:

- What was done since the last scrum meeting?
 1. Learning more about C# and the .NET Framework which our project is built on
 2. Investigating the different options our project owner gave us for how to build upon the project
- What is planned to be done until the next scrum meeting?
 1. Continue to learn more about the technology stack in the current project
 2. Explore options for how to approach the different avenues for improving the project
- What are the hurdles?
 1. Trying to estimate how much work can be done in the shorter summer semester while still being a full enough project
 2. .NET can be confusing because of its many versions all with varying degrees of cross platform compatibility

Calvin Mark:

- What was done since the last scrum meeting?
 1. Learning more about C# and its implementation of the project
 2. Setting up virtual machine and running project on it
 - What is planned to be done until the next scrum meeting?
 1. Consider Sprints - point allocations
 2. Decide when bag would be needed
 - What are the hurdles?
 1. Since this is a project based around a physical device. We need to consider what is possible during the COVID-19 lockdown. Features with UI/UX would not require us physically interact with the device
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Project: ComboCounter

Date: 05/27/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30

End time: 10:45

Daniel Mato:

- What was done since the last scrum meeting?
 1. Investigate ways to add in functionality into the existing project which would allow for more functionality to be added in the future
- What is planned to be done until the next scrum meeting?
 1. Get more familiar with the current system and the current code base
- What are the hurdles?
 1. Understanding the code someone else wrote can be challenging without documentation

Calvin Mark:

- What was done since the last scrum meeting?
 1. Consider sprint allocations
 2. Look into libraries for UI and visual effects
- What is planned to be done until the next scrum meeting?
 1. Contact PO to confirm facts
 2. Contact Professor/ TA to ask about documentation
 3. Research C# implementation
- What are the hurdles?
 1. We are still unaware of the status of the physical bag. Right now we are assuming that everything works

Project: ComboCounter

Date: 05/28/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30 am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Learn more C# concepts and continue setting up the provided virtual machine for use with the project
- What is planned to be done until the next scrum meeting?
 1. Set up a git repository on GitHub to allow for easier collaboration with on the codebase for use in the upcoming sprints
 2. Get more familiar with MySQL and the syntax involved with creating databases with it
 3. Reach out to previous programmers to get more information about the project
- What are the hurdles?
 1. Understanding what was done in the last few semesters
 2. Trying to gauge exactly how much work can realistically be done in the next 2 months without putting greater stress than is necessary

Calvin Mark:

- What was done since the last scrum meeting?
 1. Contact previous team and email professor
- What is planned to be done until the next scrum meeting?
 1. Continue to learn c#
 2. Set up github repo
- What are the hurdles?
 1. Logistics for this projects may be a challenge considering lockdown
 2. It has been confirmed that the bag does not connect with the application. We may have to pivot from our original plan

Project: ComboCounter

Date: 05/29/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Added the project files to a Git repository to be able to collaborate more easily
 2. Learned additional C# features and abilities
- What is planned to be done until the next scrum meeting?
 1. Confirm sprint planning with the Project Owner
 2. Review current plan for the sprints for any revisions to the timespan
- What are the hurdles?
 1. It is difficult to gauge how much can be done in each Sprint since neither of us have used agile before
 2. It is difficult to plan out what should be done with the sprints because of the physical component of our project which we are not sure we will have access to

Calvin Mark:

- What was done since the last scrum meeting?
 1. Added project to go git
- What is planned to be done until the next scrum meeting?
 1. Review sprint plan. Will likely need to be revised due to update that physical component and application have not been connected
- What are the hurdles?
 1. Still no confirmation from professors and PO
 2. Unsure how to handle physical components

Project: ComboCounter

Date: 06/01/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Communicate with the professor regarding the physical aspects of our project
 2. Discussed with team how which direction we should go with the information from the professor
- What is planned to be done until the next scrum meeting?
 1. Draw out the planned architecture changes for the project
- What are the hurdles?
 1. Needing to accurately determine the current architecture
 2. Having to design the architecture without knowing what the full extent of the project would be

Calvin Mark:

- What was done since the last scrum meeting?
 1. Got the final info from professor to move forward
- What is planned to be done until the next scrum meeting?
 1. Start building the skeleton for final document
 2. Learn Git
- What are the hurdles?
 1. Communication
 2. No clear cut line to what is expected

Project: ComboCounter

Date: 06/02/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Drew a class diagram for the current system and the proposed changes to the system to make it more modular

- 2. Planned with the PO the next steps for the project
- What is planned to be done until the next scrum meeting?
 - 1. Make the changes to the Database code to allow it to be more modular
 - 2. Make ER diagrams for restructuring the database
- What are the hurdles?
 - 1. Making sure that the code is changed in all places
 - 2. Making sure the changes made are compatible with the system

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Setup documents for final project
 - 2. Planning meeting with PO
- What is planned to be done until the next scrum meeting?
 - 1. Start redesign of database
 - 2. Implement user stories for 1
- What are the hurdles?
 - 3.

Project: ComboCounter

Date: 06/03/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 - 1. Moved login and registration database code into its own static class
 - 2. Changed colors of text in the registration code for better legibility
- What is planned to be done until the next scrum meeting?
 - 1. Flesh out further class diagrams and work on basic sequence diagrams for the proposed changes
 - 2. Look through the user interface for necessary changes to the UI for better usability
- What are the hurdles?
 - 1. Making sure all diagrams accurately depict how the system is currently working?

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Work on UserManager Class
 - 2. Continue to build Final Doc
- What is planned to be done until the next scrum meeting?

1. Continue to work on class diagrams
 2. Consider changes to UI
 - What are the hurdles?
 1. C# syntax can be a little tricky
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Project: ComboCounter

Date: 06/04/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Merged UserManager class into the code
 2. Centered and fixed exit menu with actual functionality
 3. Drew up and ER diagram for the database
 4. Drew sequence diagrams for the login and the register
- What is planned to be done until the next scrum meeting?
 1. Investigate possibilities for how to accomplish color schemes within the application
 2. Flesh out some more User Stories
- What are the hurdles?
 1. Global styles are not supported by default on Windows Forms so there would be some customizing to do

Calvin Mark:

- What was done since the last scrum meeting?
 1. Commit UserManager Class
 2. Research ways to customize UI
 3. Update Documents
- What is planned to be done until the next scrum meeting?
 1. Research dynamic themes
- What are the hurdles
 1. UI is a little buggy and inconsistent. Will need to clean up some elements before we can move forward.

Project: ComboCounter

Date: 06/05/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Made small changes to the UI allow for more usability
- What is planned to be done until the next scrum meeting?
 1. Work on the history page and how that would work and interact with the actual workouts
- What are the hurdles?
 1. C# does not allow for rows of data by default so we would have to create that

Calvin Mark:

- What was done since the last scrum meeting?
 1. Plan for dynamic theme control
- What is planned to be done until the next scrum meeting?
 1. Start of themeManager class
- What are the hurdles
 1. Understanding partial classes and how functions can be passed around
 - 2.

Project: ComboCounter

Date: 06/08/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Started work on the history page and connecting the data between the workout pages and the history page including showing a graph
- What is planned to be done until the next scrum meeting?
 1. Continue to work on connecting the history page to the various workout pages
- What are the hurdles?

1. The data is mockup data so the changes made may have to change again once the heavy bag is connected to the application
2. Getting data to and from the pages can be tricky because of the separation of the data

Calvin Mark:

- What was done since the last scrum meeting?
 1. Continue to work on user themes
- What is planned to be done until the next scrum meeting?
 1. Consider and create theme objects
- What are the hurdles
 1. We have noticed that a new window is open every time an option is chosen. This can create some issues in terms of memory down the road. This will most likely need to be addressed in sprint 3
 2. Architecture of the application is confusing. It is becoming a little difficult to track the flow of data

Project: ComboCounter

Date: 06/09/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. The history page is now connected to 3 out of the 5 pages
 2. Some testing with different fonts has been done to modernize the user interface
- What is planned to be done until the next scrum meeting?
 1. Connect the history page to the rest of the pages
 2. Fix the problems with the punch count page. Currently the timer does not stop and continues passed 0 seconds remaining
- What are the hurdles?
 1. This seems to be a race condition with the timer and the events which may make it hard to figure out a solution
 2. The first step would be to understand how the code works to be able to fix it

Calvin Mark:

- What was done since the last scrum meeting?
 1. Complete Basis for managing multiple themes
 2. Able to display graph which shows force of hits over time
- What is planned to be done until the next scrum meeting?
 1. Consider New UI design so it can be more modern

- What are the hurdles
 1. UI redesign will be planned for a later sprint (if there is time) as it will be time consuming

Project: ComboCounter

Date: 06/10/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Began to implement a font manager to use outside fonts and to use consistent fonts throughout the application
 2. Fixed the counting issues with the the punch count page
 3. Finished adding the session manager to all the pages that it would apply to
- What is planned to be done until the next scrum meeting?
 1. Restructuring the database to persist the session data
 2. Adjusting the backlog
 3. Investigating how a project restructuring would work and if it would be worth it to better improve the application
- What are the hurdles?
 1. A complete restructuring will take some time to make sure we implement the same features
 2. I don't fully understand how the user stories and user points are related and how the points should be assigned

Calvin Mark:

- What was done since the last scrum meeting?
 1. Created manager to allow for theme switching. Planning to support a dark mode and light mode for now
- What is planned to be done until the next scrum meeting?
 1. Backlog. Consider the best direction for the rest of the semester
- What are the hurdles
 1. We may have to address the architecture of the code as its current setup may present some challenges in the future

Project: ComboCounter

Date: 06/11/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Investigate opportunities for using more inheritance to lessen code reuse to be able to make life easier for our successors and for the good of the application
- What is planned to be done until the next scrum meeting?
 1. Speak with the project manager the plans we have for restructuring and whether he thinks it is a worthwhile project to undertake
 2. Prepare a couple of pages with the new styling as an example for the project manager to look over
- What are the hurdles?
 1. Looking over the entire project and checking for code reuse is time consuming
 2. This work in investigating the restructuring may be all for nothing

Calvin Mark:

- What was done since the last scrum meeting?
 1. Create a plan for PO. Project should be revised and cleaned up in order to implement features discussed in earlier meetings
- What is planned to be done until the next scrum meeting?
 1. Meet with PO to discuss new direction in project
- What are the hurdles
 1. Revising project could be more time consuming. We will only know once we start

Project: ComboCounter

Date: 06/12/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Spoke to the project manager about how to move forward with the project
 2. Investigated ideas for better architecture for the application to make it easier to add in new feature down the line
- What is planned to be done until the next scrum meeting?

1. Write concrete plans for the new architecture and draw up diagrams
2. Make a plan to be able to split up the work
- What are the hurdles?
 1. Making an architecture plan for a system we didn't design and making sure it has feature parity with the original design

Calvin Mark:

- What was done since the last scrum meeting?
 1. Met with PO to discuss a pivot in the direction moving forward
- What is planned to be done until the next scrum meeting?
 1. Create new diagrams and consider how to revise architecture of project
- What are the hurdles?
 1. Rebuilding program may take longer than anticipated

Project: ComboCounter

Date: 06/15/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Added classes for the custom buttons Outline and Contained from the Material Design Specification
- What is planned to be done until the next scrum meeting?
 1. Add a class for the text button
 2. Test the new classes in one of the pages
 3. Discuss what needs to be done in this sprint
- What are the hurdles?
 1. The new classes may not be directly compatible
 2. The Visual Studio designer fights with custom classes

Calvin Mark:

- What was done since the last scrum meeting?
 1. Worked on classes for headers and buttons
- What is planned to be done until the next scrum meeting?
 1. Start build new classes to contain buttons and UI elements
- What are the hurdles

1. Merging the new code with old may present some challenges

Project: ComboCounter

Date: 06/16/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Added in the text button
 2. Deal with git merging issues with differing versions of the project
 3. Tested out a new home screen with the custom buttons
- What is planned to be done until the next scrum meeting?
 1. Add the panel which will be our page placeholder and attempt to page in the different screens
 2. Change the way the ComboCounter works so that the numbers now scroll when they are too big for the table
- What are the hurdles?
 1. Not totally sure the method of putting new pages in the application will work correctly

Calvin Mark:

- What was done since the last scrum meeting?
 1. Worked on user feedback on home main page
- What is planned to be done until the next scrum meeting?
 1. Continue working on Themes and UI elements
 2. Implement new classes
- What are the hurdles
 1. Coming across more inconsistencies as we gut the code

Project: ComboCounter

Date: 06/17/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?

1. Changed the name of some classes to be more accurate
2. Beginning the process of changing the program to use a single window with a single panel instead of many windows
- What is planned to be done until the next scrum meeting?
 1. Continue to work through bugs with the new panel system including the history section
 2. Center the pages within the panel and begin implementing the new controls into the original classes
- What are the hurdles?
 1. The Visual Studio designer fights us with the current design of the custom buttons
 2. The original classes will need readjusting with the new fonts and the new sizes of certain elements

Calvin Mark:

- What was done since the last scrum meeting?
 1. Complete elements for Light theme. Continue to work on Dark Theme and 3rd option
- What is planned to be done until the next scrum meeting?
 1. Make sure options on top panel only create instance when chosen multiple times
- What are the hurdles?
 1. Some of the icons are low quality and block so having a clean UI would likely mean recreating icons (last resort)

Project: ComboCounter

Date: 06/18/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Fixed the bug with the history section temporarily by reverting to another version
 2. Continued to implement the new custom classes in the different pages
 3. Fixed bugs with the original program in the team timing page
- What is planned to be done until the next scrum meeting?
 1. Finish implementing the new controls with the new pages
 2. Take a runthrough of the features and make sure that they work as intended
- What are the hurdles?
 1. A few of the pages don't have descriptions so it's not clear what the intended functionality is supposed to be

2. The way the interface looks in the Visual Studio GUI is not the same as how it looks when the program is running so it's hard to center objects

Calvin Mark:

- What was done since the last scrum meeting?
 1. Commit changes to theme
 2. Start working on UserAccount form so that it only shows when menu at a time
- What is planned to be done until the next scrum meeting?
 1. Work on UserAccount Form. Needs to be revised and be dynamically centered
- What are the hurdles
 1. The format of some elements need to be changed. Will have to revise manually

Project: ComboCounter

Date: 06/18/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Implemented the new controls with the new files
 2. Changed the layout of one of the pages to use the table layout to allow for easier centering of objects
- What is planned to be done until the next scrum meeting?
 1. Continue to add in the new controls
 2. Change some pages to use tables for the layout to make centering easier
- What are the hurdles?
 1. The tables need configuring to make sure they are centered correctly on different screens

Calvin Mark:

- What was done since the last scrum meeting?
 1. Work on User Account UI. Made it centered so its cleaner, more intuitive and allowed for only one form to be displayed at a time
- What is planned to be done until the next scrum meeting?
 1. Look for inconsistencies to fix across pages
- What are the hurdles
 1. Working with forms on certain elements has been difficult.

Project: ComboCounter

Date: 06/22/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Fixed a bug with the way time was being calculated on multiple pages
 2. Changed the layout of one of the pages to have a table for easier centering
- What is planned to be done until the next scrum meeting?
 1. Continue changing the layouts to table layouts to make centering easier
 2. Make a new static class with helper methods containing recurring code found in the forms
- What are the hurdles?
 1. Making sure to change all of the versions of the code
 2. The new version should work with all the original implementations
 3. Making sure the new layout scales correctly on different screens

Calvin Mark:

- What was done since the last scrum meeting?
 1. Fix some inconsistencies in UI
- What is planned to be done until the next scrum meeting?
 1. Fix buttons for "CensorControl" class
- What are the hurdles
 1. Dealing with some of dependencies while implementing new features has been a challenge.

Project: ComboCounter

Date: 06/23/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Changed the layouts for the total time pages to have tables to make sure they are centered
 2. Changed the way time is calculated so that it is more accurate
- What is planned to be done until the next scrum meeting?
 1. Continue changing the layout to use tables
 2. Investigate changing the other pages to use the more accurate time calculations
- What are the hurdles?

1. Some layouts are not conducive to using tables for the ui
2. Making sure the time calculations are done correctly and accurately

Calvin Mark:

- What was done since the last scrum meeting?
 1. Fix buttons on "Censor Control" so that it scales quicker and responds dynamically to User
- What is planned to be done until the next scrum meeting?
 1. Center elements on "Censor Control"
 2. Make adjustments to allow "ComboScoreControl" to have uniform fonts
 3. Update User Stories to Shared Doc
- What are the hurdles
 1. There are some bugs in "ComboScoreControl" that need to be addressed

Project: ComboCounter

Date: 06/24/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Changed more layouts to use tables to center them more effectively
 2. Fixed the way time is calculated for the punch count competition
- What is planned to be done until the next scrum meeting?
 1. Change the original icons to use vector graphics so they can be easily scaled and recolored for different color schemes
- What are the hurdles?
 1. The original graphics are low resolution which makes it challenging to remake in vector form

Calvin Mark:

- What was done since the last scrum meeting?
 1. Center elements on "Censor Control"
 2. Adjust "ComboScoreControl" to have uniform fonts
 3. Update User Stories to Shared Doc
- What is planned to be done until the next scrum meeting?
 1. Start cleaning out old code and document so that it's readable
- What are the hurdles
 1. Icons previously were created poorly

Project: ComboCounter

Date: 06/25/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Begin converting some of the icons to vector format to allow for easier manipulation
- What is planned to be done until the next scrum meeting?
 1. Continue converting icons for the application
 2. Go through to the various methods and add comments where necessary
- What are the hurdles?
 1. Need to understand the code to be able to effectively document how it works
 2. The original images are low resolution which makes it a lot of manual work to convert them

Calvin Mark:

- What was done since the last scrum meeting?
 1. Attempted to clean up some of the old code from the past developers
- What is planned to be done until the next scrum meeting?
 1. Complete furnishing forms for global themes
 2. Start Commenting & documenting code for future developers as it wasnt there before
- What are the hurdles
 1. Cleaning out some of the old code is more problematic than originally anticipated

Project: ComboCounter

Date: 06/26/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Converted more of the top icons to vector format
 2. Added comments to the code where it seemed necessary and to help the next team working on it to make it easier to understand
- What is planned to be done until the next scrum meeting?
 1. Work on implementation of the theme manager within the application

- 2. Convert more icons to vector to allow them to be themed by the theme manager
- 3. Complete a sprint retrospective and plan the following sprint
- What are the hurdles?
 - 1. All the pages have to be done manually which is tedious and time consuming

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Commenting and documentation of new code
 - 2.
- What is planned to be done until the next scrum meeting?
 - 1. Retrospective Meeting and Planning next sprint
 - 2. Finalize theme changes
 - 3. Test for any more bugs in UI
- What are the hurdles
 - 1. Deciding most feasible implementations that will work for the rest of the sprint
 - 2. Fonts may not work on a different machine

Project: ComboCounter

Date: 06/29/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 - 1. Converted more items to vector
 - 2. Tested changing the colors of the vector images
 - 3. Implement the theme manager colors
- What is planned to be done until the next scrum meeting?
 - 1. Assess what still needs to be done
 - 2. Look through the program for inconsistencies and make sure of them
- What are the hurdles?
 - 1. Windows Forms does not want to cooperate with the new vector images and won't change their colors

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Look and fix bugs in last sprint
- What is planned to be done until the next scrum meeting?
 - 1. Plan for the next sprint
 - 2. Retrospective meeting
- What are the hurdles
 - 1. Consider priorities as there are only 2 more sprints left

2. Windows forms is difficult to work with

Project: ComboCounter

Date: 06/30/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Planned for the upcoming sprint including drawing new diagrams
 2. Check in with the project manager to how out progress
- What is planned to be done until the next scrum meeting?
 1. Implement changes from the project manager
 2. Change the structure of classes slightly to allow for easier management
- What are the hurdles?
 1. There are a lot of classes to deal with so it might take a while

Calvin Mark:

- What was done since the last scrum meeting?
 1. Sprint Planning meeting with PO
 2. Further clean up and documentation
- What is planned to be done until the next scrum meeting?
 1. Add class to calculate weight divisions
- What are the hurdles
 1. Prioritizing goals for this sprint as semester is almost done
 2. May have to push certain things off for final sprint

Project: ComboCounter

Date: 07/01/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?

1. Added an abstract class where all user controls inherit forms to let the form know when it is being placed and removed from the screen
2. Change the format of the database to allow us to store more data
- What is planned to be done until the next scrum meeting?
 1. Continue to change the code to reflect the changes made in the database
- What are the hurdles?
 1. The documentation on MySql in C# is not very thorough and it is hard to see the best practices of certain methods

Calvin Mark:

- What was done since the last scrum meeting?
 1. Make class to calculate Class Divisions based on weight and sex
 2. Discuss additions to database and implementation of new features
- What is planned to be done until the next scrum meeting?
 1. Start working on new UI features
 2. Add clock to homescreen
- What are the hurdles?
 1. Some features proposed may not be realistic for the scope of this project in terms of time.

Project: ComboCounter

Date: 07/02/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Updated the register screen with the new fonts and new fields
 2. Added code for the workout sessions to store them in the database
 3. Added code to create and read user settings
- What is planned to be done until the next scrum meeting?
 1. Add code to update user settings
- What are the hurdles?
 1. The MySqlConnection C# documentation is oftentimes vague or incomplete

Calvin Mark:

- What was done since the last scrum meeting?
 1. Added clock to the homescreen
 2. Start working on user settings page
- What is planned to be done until the next scrum meeting?
 1. Continue working on user settings page
- What are the hurdles?
 1. Getting windows forms to work with multiple pages is difficult

Project: ComboCounter

Date: 07/06/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Added code to the DBConnection class to update and create the settings
 2. Changed the Session workout class to use C# members instead of methods so that method calls are a little cleaner
- What is planned to be done until the next scrum meeting?
 1. Begin implementing the setting for the time stopping when the page is navigated away
- What are the hurdles?
 1. There are a lot of pages to get through that all have different ways of setting the timing for their objects.

Calvin Mark:

- What was done since the last scrum meeting?
 1. Start layout for user settings page
- What is planned to be done until the next scrum meeting?
 1. Continue working on the user settings page. Might consider a new direction
- What are the hurdles
 1. Cannot figure out how to make access checked items. Need to figure out how to do so or consider another option

Project: ComboCounter

Date: 07/07/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Implemented the turn off timers setting
 2. Fixed the start buttons for a couple of pages from being able to press start multiple times
- What is planned to be done until the next scrum meeting?
 1. Changed the usermanager class to have getters and setters for the usersettings which automatically update the database
 2. Begin testing different versions of visual feedback for punches
- What are the hurdles?
 1. We've never done any animation in Windows Forms

Calvin Mark:

- What was done since the last scrum meeting?
 1. Work on the front end for the user settings page. Add options and a fluid page to select theme
- What is planned to be done until the next scrum meeting?
 1. Make sure the buttons work and can change user profile settings in database
- What are the hurdles

Project: ComboCounter

Date: 07/08/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Changed the usermanager class to use getters and setters for the values of the users settings
 2. Continued testing implementations for the visual feedback
 3. Fixed a bug with the DB code that created an invalid workout session if there was no data
- What is planned to be done until the next scrum meeting?
 1. Continue tweaking the visual feedback and adding the ability to change the color depending on the force value
 2. Move the visual feedback into its own control to allow for more code reuse
- What are the hurdles?
 1. The size of the hit can only be affected by the main thread.

Calvin Mark:

- What was done since the last scrum meeting?
 1. Continue working on UserSettings page
- What is planned to be done until the next scrum meeting?
 1. Make it so UserSettings can successfully interact with the database so we can implement global changes down the line
 2. Allow user settings to keep a record of states
- What are the hurdles
 1. Working with SQL syntax can sometimes be tricky

Project: ComboCounter

Date: 07/09/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Implemented a proof of concept for the visual feedback
 2. Fixed bugs with the database which would not allow the update function to succeed
- What is planned to be done until the next scrum meeting?
 1. Fix up proof of concept into a shippable version which looks nicer
- What are the hurdles?
 1. Designing an efficient way of displaying the data

Calvin Mark:

- What was done since the last scrum meeting?
 1. Make sure userSettings can successfully interact with the database so global changes can be made
- What is planned to be done until the next scrum meeting?
 1. Start implementing global changes now that database can be changed by user settings
- What are the hurdles
 1. Working on efficiency between database and how tables should be implemented

Project: ComboCounter

Date: 07/10/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Moved visual feedback into its own class
 2. Added tick marks to the visual feedback
- What is planned to be done until the next scrum meeting?
 1. Change the pages to respond to changes in the theme
 2. Updating the pages which have their values sometimes hardcoded to respond to the changes
 3. Figure out where to go from here in terms of sprint planning
- What are the hurdles?
 1. The designer overrides the color values set in the constructor so some colors are unresponsive to the changes in theme

Calvin Mark:

- What was done since the last scrum meeting?
 1. Continue working on user settings page so dynamic changes can be made

- What is planned to be done until the next scrum meeting?
 1. Consider plan for final sprint
 2. Continue to work on user themes
- What are the hurdles
 1. Prioritizing what to do for the final sprint

Project: ComboCounter

Date: 07/13/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Implemented the theme system so the pages change according to the themes
 2. Changed the way pages are stored on the main form to a dictionary of pages
- What is planned to be done until the next scrum meeting?
 1. Fix up the user interface to make sure everything is adhering to the new theme changes
 2. Make changes to the VisualFeedback to make it easier to implement into a new page
- What are the hurdles?
 1. Not all elements are automatically pulling from the theme manager and have to be manually changed

Calvin Mark:

- What was done since the last scrum meeting?
 1. Update User settings page to work more responsively to themes
 2. Toggles for sound options
- What is planned to be done until the next scrum meeting?
 1. Sprint Planning meeting with PO
 2. Work on documentation for sprint 4
- What are the hurdles
 1. Planning sprint 5 and deciding priorities

Project: ComboCounter

Date: 07/14/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Finish up the theme implementation to be ready to go
 2. Fix up bugs with certain pages
- What is planned to be done until the next scrum meeting?
 1. Clean up unnecessary code in the codebase
 2. Reorganize files into folders that make more sense
 3. Document the classes we added
 4. Fix minor issues that were addressed in the planning meeting
- What are the hurdles?
 1. Making sure that the code which is being cleaned up is not used elsewhere

Calvin Mark:

- What was done since the last scrum meeting?
 1. Sprint Planning meeting
 2. Prioritize user stories for the final sprint
- What is planned to be done until the next scrum meeting?
 1. Start working on feature for clock on the homescreen
- What are the hurdles
 1. Setting priorities for the last sprint

Project: ComboCounter

Date: 07/15/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Cleaned up unnecessary code which was not used anymore
 2. Commented the code that we added and some of the original code as well
 3. Added minor fixes which were suggested to us by the PO
- What is planned to be done until the next scrum meeting?
 1. Add the visual feedback component to the other pages
- What are the hurdles?
 1. Finding a place for the visual feedback on all the pages

Calvin Mark:

- What was done since the last scrum meeting?
 1. Add option to user settings to switch clock between 12hr and 24hr clock
- What is planned to be done until the next scrum meeting?
 1. Work on bug in User Account page
- What are the hurdles
 1. Some stories may be too much for this sprint

Project: ComboCounter

Date: 07/16/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Extended the workout API to have a slot for the workout application used during the session
- What is planned to be done until the next scrum meeting?
 1. Draw up UML diagrams of the current system to get ahead of the documentation process and make it easier for whoever takes over the project
- What are the hurdles?
 1. UML diagrams are tedious to create from an already existing system

Calvin Mark:

- What was done since the last scrum meeting?
 1. Update Database Columns
 2. Implement ClassDefiner to calculate the users Weight Class
- What is planned to be done until the next scrum meeting?
 1. Pass values from UserAccount Class into database
- What are the hurdles
 1. Visual Studio Keeps crashing and does not allow me to save my work

Project: ComboCounter

Date: 07/17/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Created UML class diagram for most classes in the system
- What is planned to be done until the next scrum meeting?
 1. Add the visual feedback to more pages
 2. Continue working on the UML class diagram and sequence diagrams
- What are the hurdles?
 1. Determining where the Visual Feedback should go and how it should be used by the application

Calvin Mark:

- What was done since the last scrum meeting?
 1. Continue to work on UserAccount Class
- What is planned to be done until the next scrum meeting?

1. Update DB connection to pass new values to database
- What are the hurdles
 - 1.

Project: ComboCounter

Date: 07/20/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Finish adding visual feedback to more pages
 2. Continue working on the UML class diagram and starting on a sequence diagram
- What is planned to be done until the next scrum meeting?
 1. Continue working on the sequence diagram
 2. Begin working on the documentation
- What are the hurdles?
 1. We had questions about the documentation which haven't yet been answered

Calvin Mark:

- What was done since the last scrum meeting?
 1. Update DB connection to implement new features
- What is planned to be done until the next scrum meeting?
 1. Complete final code
 2. Start working on documentation
- What are the hurdles
 1. Poor communication from professor and TA

Project: ComboCounter

Date: 07/21/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Finish up the sequence diagram
 2. Work through final issues with the database
- What is planned to be done until the next scrum meeting?
 1. Start writing up the wishlist
 2. Start writing the User Manual

- 3. Start writing the Installation guide
- What are the hurdles?
 - 1. Still missing answers from the professor about how to move forward

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Continue working on document
- What is planned to be done until the next scrum meeting?
 - 1. Start working on diagrams
- What are the hurdles?
 - 1. Unsure of some requirements

Project: ComboCounter

Date: 07/22/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 - 1. Finish work on the User Manual
 - 2. Finish work on the Installation Guide
- What is planned to be done until the next scrum meeting?
 - 1. Work on the Use Case Diagram
- What are the hurdles?
 - 1. Not sure how to split up the diagrams between us still

Calvin Mark:

- What was done since the last scrum meeting?
 - 1. Work to finish deliverables
- What is planned to be done until the next scrum meeting?
 - 1. Continue to work on documentation
- What are the hurdles
 - 1. Unanswered questions from Professor or TA...

Project: ComboCounter

Date: 07/23/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Continue to write more information for the document
 - 2.
- What is planned to be done until the next scrum meeting?
 1. Make adjustments to the class diagram
 2. Draw up deployment diagram
 3. Assess what needs to be done
- What are the hurdles?
 1. Some of the instructions for the documentation are not very clear

Calvin Mark:

- What was done since the last scrum meeting?
 1. Continue working on final document
- What is planned to be done until the next scrum meeting?
 1. Work on document
 2. Sequence Diagram
- What are the hurdles
 1. Unanswered questions from Professor or TA day 2...

Project: ComboCounter

Date: 07/24/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Draw up deployment diagram
 2. Continue work on the sequence diagram
- What is planned to be done until the next scrum meeting?
 1. Subsystem decomposition
 2. Start work on video scripts
- What are the hurdles?
 1. Some of the instructions for the document are not clear

Calvin Mark:

- What was done since the last scrum meeting?
 1. Work on final deliverables
- What is planned to be done until the next scrum meeting?
 1. Work on final deliverables
 2. Plan how videos will be done
- What are the hurdles
 1. Unanswered questions from Professor or TA day 3...

Project: ComboCounter

Date: 07/27/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Wrote up the subsystem decomposition
 2. Added test cases to the main document
 3. Took screenshots of the current system and added them to the appendix
- What is planned to be done until the next scrum meeting?
 1. Work on the poster
 2. Start working on the powerpoint presentation
- What are the hurdles?
 1. It would have been nice to know the extent of the documentation beforehand to be able to begin preparing some of the documentation as we went along

Calvin Mark:

- What was done since the last scrum meeting?
 1. Added and modified test cases
 2. Start working on Poster
- What is planned to be done until the next scrum meeting?
 1. Start working on presentation slide show
- What are the hurdles
 1. Time constraints during finals week

Project: ComboCounter

Date: 07/28/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Start work on the powerpoint presentation
 2. Finish working on my individual poster
- What is planned to be done until the next scrum meeting?
 1. Refine elements of the poster
 2. Draw an ER diagram for the finished database
 3. Continue to work on the powerpoint
 4. If there's time start working on video scripts
- What are the hurdles?

1. There's a lot of stuff to get through in a short amount of time

Calvin Mark:

- What was done since the last scrum meeting?
 1. Work on poster
 2. Work on document
- What is planned to be done until the next scrum meeting?
 1. Work on powerpoint
 2. Work on poster
- What are the hurdles
 1. N/A

Project: ComboCounter

Date: 07/29/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Drew an ER diagram for the presentation
 2. Refine the poster
 3. Put finishing touches on the poster
 4. Write up outline for the videos
- What is planned to be done until the next scrum meeting?
 1. Record the videos and upload them
 2. Write the user stories for the next week
- What are the hurdles?
 1. N/A

Calvin Mark:

- What was done since the last scrum meeting?
 1. Record videos
 2. Final Meeting with PO
- What is planned to be done until the next scrum meeting?
 1. Finalize deliverables
- What are the hurdles
 1. N/A

Project: ComboCounter

Date: 07/30/2020

Attendees: Calvin Mark, Daniel Mato

Start time: 10:30am

End time: 10:45 am

Daniel Mato:

- What was done since the last scrum meeting?
 1. Record edit and upload videos
- What is planned to be done until the next scrum meeting?
 1. Upload the final deliverable
- What are the hurdles?
 1. Internet speed

Calvin Mark:

- What was done since the last scrum meeting?
 1. Complete documentation
 - What is planned to be done until the next scrum meeting?
 1. Turn in project. End of project
 - What are the hurdles
 2. N/A
-

Backlog

Project: ComboCounter

Sprint : 1

Attendees: Calvin Mark, Daniel Mato

Date: 06/11/2020

Start time: 12:00pm

End time: 1:00pm

The following user stories were refined, weighted, and prioritized, ready for being scheduled in the following sprints:

N/A

Project: ComboCounter

Sprint : 2

Attendees: Calvin Mark, Daniel Mato

Date: 06/11/2020

Start time: 12:00pm

End time: 1:00pm

The following user stories were refined, weighted, and prioritized, ready for being scheduled in the following sprints:

- **User Story 20**
 - As a User I would like be able to choose themes and color scheme

Project: ComboCounter

Sprint : 3

Attendees: Calvin Mark, Daniel Mato

Date:

Start time: 12:00pm

End time: 1:00pm

The following user stories were refined, weighted, and prioritized, ready for being scheduled in the following sprints:

- **User Story 16**
 - As a Developer I would like the interface to adjust depending on the size of the window
- **User Story 20**
 - As a User I would like be able to choose themes and color scheme

Project: ComboCounter

Sprint : 4

Attendees: Calvin Mark, Daniel Mato

Date:

Start time: 12:00pm

End time: 1:00pm

The following user stories were refined, weighted, and prioritized, ready for being scheduled in the following sprints:

- **User Story 37**
 - As a developer I would like to address UI issues in the User Account page

Sprint Planning Meetings

Sprint Planning Meeting Minutes Template

Project: ComboCounter

Sprint 1

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Start time: 6:05

End time: 7:00

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- User Story 1
 - As a developer I want to setup the Virtual Machine provided to us by the University for use on the project
- User Story 2
 - As a developer I want understand c# and how visual studio interacts with User Interface

- User Story 3
 - As a developer I want to setup Visual Studio to be able to work with the technologies used in the project
- User Story 4
 - As a developer I want to understand how the current system works and where there are areas of improvement

The team members indicated their willingness to work on the following user stories.

Daniel Mato

- User Story 1
 - As a developer I want to setup the Virtual Machine provided to us by the University for use on the project
- User Story 2
 - As a developer I want understand c# and how visual studio interacts with User Interface
- User Story 3
 - As a developer I want to setup Visual Studio to be able to work with the technologies used in the project
- User Story 4

Calvin Mark

- User Story 1
 - As a developer I want to setup the Virtual Machine provided to us by the University for use on the project
- User Story 2
 - As a developer I want understand c# and how visual studio interacts with User Interface
- User Story 3
 - As a developer I want to setup Visual Studio to be able to work with the technologies used in the project
- User Story 4
 - As a developer I want to understand how the current system works and where there are areas of improvement

Project: ComboCounter

Sprint 2

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Start time: 6:05

End time: 7:00

- **User Story 5**
 - As a developer I would like to make sure the text on screen is readable and UI elements are centered
- **User Story 6**
 - As a user I would like to hover over menu options to give a brief description of what they do
- **User Story 7**
 - As a developer I would like to access the database from all classes using a single object
- **User Story 8**
 - As a user I would like to visualizations of sessions post workout
- **User Story 9**
 - As a user I would like to see a confirmation dialog before exiting the program
- **User Story 10**
 - As a user I would like the see the history of my last sessions
- **User Story 11**
 - As a developer I would like to load fonts that are not default fonts

The team members indicated their willingness to work on the following user stories.

Daniel Mato

- **User Story 5**
 - As a developer I would like to make sure the text on screen is readable and UI elements are centered
- **User Story 6**
 - As a user I would like to hover over menu options to give a brief description of what they do
- **User Story 7**
 - As a developer I would like to access the database from all classes using a single object
- **User Story 8**
 - As a user I would like to visualizations of sessions post workout

- **User Story 9**
 - As a user I would like to see a confirmation dialog before exiting the program
- **User Story 11**
 - As a developer I would like to load fonts that are not default fonts

Calvin Mark

- **User Story 5**
 - As a developer I would like to make sure the text on screen is readable and UI elements are centered
- **User Story 9**
 - As a user I would like to see a confirmation dialog before exiting the program
- **User Story 12**
 - As a user I would like to be able to change through preset themes
- **User Story 13**
 - As a developer I would like to have a class to store all necessary font elements

Project: ComboCounter

Sprint 3

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Start time: 6:05

End time: 7:00

The product owner chose the following user stories to be done during the next sprint. They are ordered based on their priority.

- **User Story 14**
 - As a Developer I would like to use custom versions of the Windows Forms to be able to access our own theme and font information
- **User Story 15**
 - As a Developer I would like the page to only comprise of one window with different pages
- **User Story 16**
 - As a Developer I would like the interface to adjust depending on the size of the window

- **User Story 17**
 - As a Developer I would like to design a couple of preset color schemes for the application for users to choose from
- **User Story 18**
 - As a Developer I would like to ensure sure all UI elements are uniform and consistent
- **User Story 19**
 - As a User I would like to be able to calibrate Sensor in a more intuitive way
- **User Story 20**
 - As a User I would like be able to choose themes and color scheme
- **User Story 21**
 - As a Developer I would like to center UI elements
- **User Story 22**
 - As a Developer I would like to remove duplicate options
- **User Story 23**
 - As a Developer I would like to make all Forms transparent to make Theme Mangagement easier
- **User Story 24**
 - As a Developer I would like to clean up old old code to make it more readable
- **User Story 25**
 - As a Developer I would like to document and comment new code

The team members indicated their willingness to work on the following user stories.

Daniel Mato

- **User Story 14**
 - As a Developer I would like to use custom versions of the Windows Forms to be able to access our own theme and font information
- **User Story 15**
 - As a Developer I would like the page to only comprise of one window with different pages
- **User Story 18**
 - As a Developer I would like to ensure sure all UI elements are uniform and consistent
- **User Story 21**
 - As a Developer I would like to center UI elements
- **User Story 22**
 - As a Developer I would like to remove duplicate options
- **User Story 23**
 - As a Developer I would like to make all Forms transparent to make Theme Mangagement easier

- **User Story 24**
 - As a Developer I would like to clean up old old code to make it more readable
- **User Story 25**
 - As a Developer I would like to document and comment new code

Calvin Mark

- **User Story 16**
 - As a Developer I would like the interface to adjust depending on the size of the window
- **User Story 17**
 - As a Developer I would like to design a couple of preset color schemes for the application for users to choose from
- **User Story 18**
 - As a Developer I would like to ensure sure all UI elements are uniform and consistent
- **User Story 19**
 - As a User I would like to be able to calibrate Sensor in a more intuitive way
- **User Story 20**
 - As a User I would like be able to choose themes and color scheme
- **User Story 21**
 - As a Developer I would like to center UI elements
- **User Story 23**
 - As a Developer I would like to make all Forms transparent to make Theme Mangagement easier
- **User Story 24**
 - As a Developer I would like to clean up old old code to make it more readable
- **User Story 25**
 - As a Developer I would like to document and comment new code

Project: ComboCounter

Sprint 4

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Date: 07/13/20

Start time: 8:30

End time: 9:30

- **User Story 26 (4 points)**
 - As a user I would like to see visual feedback from the application when the bag is struck to make sure my hits are registered
- **User Story 27 (3 points)**
 - As a user I would like to see the history of my last sessions
- **User Story 28 (2 points)**
 - As a user I would like to see visualizations of sessions post workout
- **User Story 29 (3 points)**
 - As a developer I would like to store information of workouts in database
- **User Story 30 (3 points)**
 - As a developer I would like to restructure database to implement new features
- **User Story 31 (3 Points)**
 - As a developer I would like to add a class for to define weight division
- **User Story 32 (3 points)**
 - As a developer I would like to interact with the database to make global changes
- **User Story 33 (4 points)**
 - As a user I would like to have a user settings page to control and save preferences to my profile
- **User Story 34 (2 points)**
 - As a developer I would like to have user changes be implemented
- **User Story 35 (2 points)**
 - As a user I would like to have a clock on the homescreen so I can keep track of the time
- **User Story 36 (2 points)**
 - As user I would like to be able to toggle sounds
- **User Story 37 (3 points)**
 - As a developer I would like to address UI issues in the User Account page
- **User Story 38 (3 points)**
 - As a developer I would like the user's settings to be taken account of during the course of the application
- **User Story 39 (3 Points)**
 - As a developer I would like to use a dictionary to change the way pages are stored for easier implementation

The team members indicated their willingness to work on the following user stories.

Daniel Mato

- **User Story 26**
 - As a user I would like to see visual feedback from the application when the bag is struck to make sure my hits are registered
- **User Story 27**
 - As a user I would like to see the history of my last sessions
- **User Story 28**
 - As a user I would like to see visualizations of sessions post workout
- **User Story 29**
 - As a developer I would like to store information of workouts in database
- **User Story 30**
 - As a developer I would like to restructure database to implement new features
- **User Story 32**
 - As a developer I would like to interact with the database to make global changes
- **User Story 34**
 - As a developer I would like to have user changes be implemented
- **User Story 38**
 - As a developer I would like the user's settings to be taken account of during the course of the application
- **User Story 39**
 - As a developer I would like to use a dictionary to change the way pages are stored for easier implementation

Calvin Mark

- **User Story 31**
 - As a developer I would like to add a class for to define weight division
- **User Story 32**
 - As a developer I would like to interact with the database to make global changes
- **User Story 33**
 - As a user I would like to have a user settings page to control and save preferences to my profile
- **User Story 34**
 - As a developer I would like to have user changes be implemented
- **User Story 35**
 - As a user I would like to have a clock on the homescreen so I can keep track of the time
- **User Story 36**
 - As user I would like to be able to toggle sounds
- **User Story 37**
 - As a developer I would like to address UI issues in the User Account page

- **User Story 38**
 - As a developer I would like the user's settings to be taken account of during the course of the application

Project: ComboCounter

Sprint 5

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Date: 07/13/20

Start time: 8:00

End time: 9:00

- **User Story 40**
 - As a user I would like to choose between 12 hr and 24 hour format view for clock on Home Screen
- **User Story 41**
 - As a developer I would like for the visual feedback to be extended to the other pages
- **User Story 42**
 - As a user I would like to change my user account information and move it
- **User Story 43**
 - As a user I would like to be able to see the application I used in the history section
- **User Story 44**
 - As a developer I would like to add the original theme
- **User Story 45**
 - As a developer I would like to restructure UserManager to better work with database

Daniel Mato

- **User Story 41**
 - As a developer I would like for the visual feedback to be extended to the other pages
- **User Story 43**
 - As a user I would like to be able to see the application I used in the history section
- **User Story 44**
 - As a developer I would like to add the original theme

Project: ComboCounter

Sprint 6

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Date: 07/28/20

Start time: 8:30

End time: 9:00

- **User Story 59**
 - As a developer I would like to make a video introducing the product
- **User Story 60**
 - As a developer I would like to have a video showing the developer setup process and the information needed for maintenance
- **User Story 61**
 - As a developer I would like to have a video showing a potential user how to use the system
- **User Story 62**
 - As a developer I would like to have a have video detailing the presentation and introduction
- **User Story 63**
 - As a developer I would like to have a video discussing the shortcomings of the project along with the wishlist
- **User Story 64**
 - As a developer I would like to create a poster unique to each individual user
- **User Story 65**
 - As a developer I would like to create a powerpoint presentation summarizing the development process
- **User Story 66**
 - As a developer I would like to work on final document
- **User Story 67**
 - As a developer I would like to verify all meeting documentation is readable and ready for submission

Daniel Mato

- **User Story 60**
 - As a developer I would like to have a video showing the developer setup process and the information needed for maintenance
- **User Story 61**
 - As a developer I would like to have a video showing a potential user how to use the system
- **User Story 64**
 - As a developer I would like to create a poster unique to each individual user
- **User Story 65**
 - As a developer I would like to create a powerpoint presentation summarizing the development process
- **User Story 66**
 - As a developer I would like to work on final document
- **User Story 67**
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Calvin Mark

- **User Story 59**
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Retrospective Meeting Minutes

Sprint 1

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato

Date:

Start time: 12:00pm

End time: 12:30pm

Thoughts

- Code structure is a little confusing and can be refactored

What happened

- Set up machines, github
- Learn how to use c#
- Read documentation
- Get project running

Where to Improve

- The aesthetics of the User Interface can be improved
- Database be in a single class
- Some features are not connected to the database
- A lot of elements on screen are not centered
- Some bugs need to be fixed

Next steps

- Consider Priorities
- Start building project

Sprint 2

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato, Mike Bucar

Start time: 6:05

End time: 7:00

Date: 06/1/20

Thoughts

- Code can be revised. As the project grows, improvements can be made such that new features can be implemented
- The UI is sticky and inconsistent. It was discovered that every time a page is selected, it creates a new instance. This can cause issues with memory and data consistency

What happened

- Improvements to the User Interface of the applications were made including: fixing the exit button, beginning a framework for adding in themes to the application, adding in a history section with data from the sessions, adding in custom fonts
- It was determined that the best course of action would be to change the way the program is architected to make it easier to add more features in later on

Where to Improve

- The overall UI experience can be more modern.
- User experience can be improved
- There can be less code duplication using object oriented programming
- There can also be less resource usage by limiting the program to only one window

Next steps

- Create classes for custom form elements to use the themes and fonts we would like to use easier

- Change the way the pages are called and are referenced so that they are all within the same window instead of separate windows for each view and brand new windows every time the button is clicked

Sprint 3

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato

Start time: 12:00pm

End time: 12:30pm

Date: 06/29/20

Thoughts

- Virtual machines were again an issue as they were slow to download new code and the code that was on the machine would sometimes need to be redownloaded after a while for an unknown reason
- It was a challenge dealing with some of the old code as it was difficult to follow and was not commented at all
- Windows Forms was difficult to deal with when trying to create dynamic forms

What happened

- Custom form elements have been created using the custom font manager and theme manager
- Theme manager and font manager have been created
- UI improvements with the centering and coloring of elements on screen
- Made it so that only one instance of a page will be open at a time
- Worked on improvements to current code structure
- Made sure UI was consistent throughout the application
- Cut out old code where possible

Where to Improve

- Older code can use some fine tuning
- There are a few elements that are causing some issues
- The UI/UX can be improved in some ways

Next steps

- Improve functionality of some of the pages to be more accurate
- Revise structure of database to work with new features
- Work on user feedback
- Consider feasibility of re designing icons so its colors can be changed
- Move history data into the database to be able to retrieve it later on
- Allow user to be able to change theme

Sprint 4

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato

Start time: 12:00pm

End time: 12:30pm

Date: 06/29/20

Thoughts

- Virtual Machine continually presents new issues in terms of loading files. Making updates a little difficult
- UI is improving. Elements and coloring are consistent

What happened

- Visual Feedback was added to certain pages of the application
- Themes selection is now taking effect on all the pages dynamically
- Page has been added for the user to change their settings like the theme and sound settings
- History data is now being stored in the database so it persists between sessions
- Added Clock to homescreen

- Refactored database again to implement features for user settings and clock
- Made it Theme Changes are implemented right after selection. Updates globally

Where to Improve

- UI approach to user account could have been different as we were still learning how to use Windows Forms earlier on
- The original theme could be added back in in addition to the new white and black themes
- The program should be able to tell the user their weight class by their weight and sex
- PO wanted options for more users on screen
- PO wanted a window to show numerical value of previous hits
- For competitive applications the handicap should affect the scores of the 2 players

Next steps

- Prioritizing goals for final sprint
- Bug fixes
- Need to make sure input can be controlled and cleaned before it can be entered to Database
- Connect UserAccount to Database.

Sprint 5

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato

Date: 07/13/20

Start time: 12:00pm

End time: 12:30pm

Thoughts

- It would have been nice to have more time with the system to be able to fully implement more of the features

What happened

- Bugs were fixed in data entry
- UserAccount page is fixed and can now display the correct data as well as upload new data to the database

Where to Improve

- While layout was improved, but more changes can be made in terms of click extra selection feedback

Next steps

- Work on final deliverables

Sprint 6

Project: ComboCounter

Attendees: Calvin Mark, Daniel Mato

Date: 07/29/20

Start time: 12:00pm

End time: 12:30pm

Thoughts

- It would have been nice to know the extent of the documentation before starting the documentation phase to be able to prepare for it

What happened

- Documentation and presentation for the application has been written and created
- Prepare the source code for the next teams to consume

Where to Improve

- While layout was improved, but more changes can be made in terms of click extra selection feedback

Next steps

- Graduate