

1. 2019 Spring INTR Team	2
1.1 Sprint1	4
1.1.1 20190122 - Daily Scrum Meeting Minutes	4
1.1.2 20190123 - Daily Scrum Meeting Minutes	4
1.1.3 20190124 - Daily Scrum Meeting Minutes	4
1.1.4 20190125 - Daily Scrum Meeting Minutes	5
1.1.5 20190128 - Daily Scrum Meeting Minutes	5
1.1.6 20190129 - Daily Scrum Meeting Minutes	5
1.1.7 20190130 - Daily Scrum Meeting Minutes	6
1.1.8 20190131 - Daily Scrum Meeting Minutes	6
1.1.9 20190201 - Daily Scrum Meeting Minutes	6
1.2 Sprint2	7
1.2.1 20190204 - Daily Scrum Meeting Minutes	7
1.2.2 20190205 - Daily Scrum Meeting Minutes	7
1.2.3 20190206 - Daily Scrum Meeting Minutes	8
1.2.4 20190207 - Daily Scrum Meeting Minutes	8
1.2.5 20190208 - Daily Scrum Meeting Minutes	8
1.2.6 20190211 - Daily Scrum Meeting Minutes	9
1.2.7 20190212 - Daily Scrum Meeting Minutes	9
1.2.8 20190213 - Daily Scrum Meeting Minutes	10
1.2.9 20190214 - Daily Scrum Meeting Minutes	10
1.2.10 20190215 - Daily Scrum Meeting Minutes	10
1.3 Sprint3	11
1.3.1 20190219 - Daily Scrum Meeting Minutes	11
1.3.2 20190220 - Daily Scrum Meeting Minutes	11
1.3.3 20190221 - Daily Scrum Meeting Minutes	12
1.3.4 20190222 - Daily Scrum Meeting Minutes	12
1.3.5 20190225 - Daily Scrum Meeting Minutes	12
1.3.6 20190226 - Daily Scrum Meeting Minutes	13
1.3.7 20190227 - Daily Scrum Meeting Minutes	13
1.3.8 20190228 - Daily Scrum Meeting Minutes	14
1.4 Sprint4	14
1.4.1 20190305 - Daily Scrum Meeting Minutes	14
1.4.2 20190306 - Daily Scrum Meeting Minutes	14
1.4.3 20190307 - Daily Scrum Meeting Minutes	15
1.4.4 20190308 - Daily Scrum Meeting Minutes	15
1.4.5 20190311 - Daily Scrum Meeting Minutes	16
1.4.6 20190312 - Daily Scrum Meeting Minutes	16
1.4.7 20190313 - Daily Scrum Meeting Minutes	17
1.4.8 20190315 - Daily Scrum Meeting Minutes	17
1.5 Sprint5	18
1.5.1 20190318 - Daily Scrum Meeting Minutes	18
1.5.2 20190319 - Daily Scrum Meeting Minutes	18
1.5.3 20190320 - Daily Scrum Meeting Minutes	18
1.5.4 20190321 - Daily Scrum Meeting Minutes	19
1.5.5 20190322 - Daily Scrum Meeting Minutes	19
1.5.6 20190325 - Daily Scrum Meeting Minutes	20
1.5.7 20190326 - Daily Scrum Meeting Minutes	20
1.6 Sprint6	21
1.6.1 20190401 - Daily Scrum Meeting Minutes	21
1.6.2 20190402 - Daily Scrum Meeting Minutes	21
1.6.3 20190403 - Daily Scrum Meeting Minutes	22
1.6.4 20190404 - Daily Scrum Meeting Minutes	22
1.6.5 20190405 - Daily Scrum Meeting Minutes	23
1.6.6 20190408 - Daily Scrum Meeting Minutes	23
1.6.7 20190409 - Daily Scrum Meeting Minutes	23
1.6.8 20190410 - Daily Scrum Meeting Minutes	24
1.6.9 20190411 - Daily Scrum Meeting Minutes	24
1.6.10 20190412 - Daily Scrum Meeting Minutes	25
1.7 Sprint7	25
1.7.1 20190414 - Daily Scrum Meeting Minutes	25
1.7.2 20190415 - Daily Scrum Meeting Minutes	25
1.7.3 20190416 - Daily Scrum Meeting Minutes	26
1.7.4 20190417 - Daily Scrum Meeting Minutes	26
1.7.5 20190418 - Daily Scrum Meeting Minutes	27
1.7.6 20190419 - Daily Scrum Meeting Minutes	27
1.7.7 20190422 - Daily Scrum Meeting Minutes	28
1.7.8 20190423 - Daily Scrum Meeting Minutes	28
1.7.9 20190424 - Daily Scrum Meeting Minutes	28
1.7.10 20190425 - Daily Scrum Meeting Minutes	29
1.7.11 20190426 - Daily Scrum Meeting Minutes	29

2019 Spring INTR Team



Interactive Smart Table v2.0

Developer



William Escudero

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Poster



William-Escudero.pdf

Documents



Final Document ...Maintenance.pdf



Final Document ...Maintenance.pdf

Presentation



Final Presentation.pdf

Video Playlist

[Introduction](#) | [User Guide](#) | [Shortcomings / Wishlist](#) | [Installation Guide](#)

Playlist Link

[Playlist](#)

Sprint1

20190122 - Daily Scrum Meeting Minutes

20190122 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

[William Escudero](#) :

- What was done since the last scrum meeting?
 - Establish a communication channel with PM
 - Review JIRA Documentation
- What is planned to be done until the next scrum meeting?
 - Research about which screens are best to work with raspberry pi
- What are the hurdles?
 - none

20190123 - Daily Scrum Meeting Minutes

20190123 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

[William Escudero](#) :

- What was done since the last scrum meeting?
 - Researched if input should come from screen or external device
- What is planned to be done until the next scrum meeting?
 - Research screens that will integrate well with raspberry pi and support input method.
- What are the hurdles?
 - none

20190124 - Daily Scrum Meeting Minutes

20190124 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

[William Escudero](#) :

- What was done since the last scrum meeting?
 - Researched screens that will integrate well with raspberry pi and support input method.
- What is planned to be done until the next scrum meeting?

- Integrate screen with raspberry pi.
- What are the hurdles?
 - Trying to decide if it was best to use touch screen or build touch functionality for current screens

20190125 - Daily Scrum Meeting Minutes

20190125 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- What was done since the last scrum meeting?
 - Integrate screen with raspberry pi.
- What is planned to be done until the next scrum meeting?
 - Integrate screen with raspberry pi.
- What are the hurdles?
 - IR sensors do not power on
 - One of the screens does not work

20190128 - Daily Scrum Meeting Minutes

20190128 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- What was done since the last scrum meeting?
 - Integrate screen with raspberry pi
 - video output was achieved
- What is planned to be done until the next scrum meeting?
 - integrate raspberry pi with screen
- What are the hurdles?
 - Video output is sometimes scrambled
 - One monitor does not work.

20190129 - Daily Scrum Meeting Minutes

20190129 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- What was done since the last scrum meeting?
 - Integrate screen with raspberry pi
 - video output was achieved
- What is planned to be done until the next scrum meeting?
 - integrate raspberry pi with screen
 - Go over documentation for interactive smart table software built by previous team.
- What are the hurdles?
 - Video output is sometimes scrambled
 - One monitor does not work (the backlight that powers the LCD seems to be burned out)

20190130 - Daily Scrum Meeting Minutes

20190130 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- What was done since the last scrum meeting?
 - integrate raspberry pi with screen
 - Go over documentation for interactive smart table software built by previous team.
- What is planned to be done until the next scrum meeting?
 - Installation of previous software on hardware platform.
- What are the hurdles?

20190131 - Daily Scrum Meeting Minutes

20190131 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- What was done since the last scrum meeting?
 - Installation of previous software on hardware platform.
- What is planned to be done until the next scrum meeting?
 - Installation of previous software on hardware platform.
- What are the hurdles?
 - Dependencies need to be resolved.

20190201 - Daily Scrum Meeting Minutes

20190201 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- What was done since the last scrum meeting?
 - Installation of previous software on hardware platform.
 - Google Cloud Server instance to run the software (<http://cis.williamescudero.com>)
- What is planned to be done until the next scrum meeting?
 - Replace development stack by LAMP Stack.
- What are the hurdles?
 - None

Sprint2

20190204 - Daily Scrum Meeting Minutes

20190204 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Planning
- **What is planned to be done until the next scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Research best tool for wireframe design.
 - Start wireframe for landing page.
- **What are the hurdles?**
 - None

20190205 - Daily Scrum Meeting Minutes

20190205 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Researched best tool for wireframe design (decided on <https://pencil.evolus.vn>)
 - Started wireframe for landing page.
- **What is planned to be done until the next scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Work on landing page wireframe
 - Start main page wireframe design
- **What are the hurdles?**
 - None

20190206 - Daily Scrum Meeting Minutes

20190206 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Finished landing page wireframe design
 - Started work on main page wireframe design
- **What is planned to be done until the next scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Work on main page wireframe design
- **What are the hurdles?**
 - None

20190207 - Daily Scrum Meeting Minutes

20190207 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - UI Redesign to be more modular so more features are included
 - Designed the navbar where the actions are placed
 - Designed the file sharing component
 - Designed the presentation component
 - Finished the main page wireframe design
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Design database schema
- **What are the hurdles?**
 - None

20190208 - Daily Scrum Meeting Minutes

20190208 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Started design of database schema
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Work on database schema
 - Test database schema
- **What are the hurdles?**
 - None

20190211 - Daily Scrum Meeting Minutes

20190211 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Finished the database schema design.
 - Started test of database schema with dummy data.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Test database schema with dummy data.
 - Start design on module for backend that will handle meeting management
- **What are the hurdles?**
 - None

20190212 - Daily Scrum Meeting Minutes

20190212 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Finished testing database schema successfully
 - Finished design for classes that handle 'meeting' module functionality such as meeting creation, joining, ending, etc.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Implementation of classes that handle 'meeting' module functionality.
- **What are the hurdles?**

- None

20190213 - Daily Scrum Meeting Minutes

20190213 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Implemented functionality that allows for meeting creation in the backend module
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Implementation of meeting joining.
- **What are the hurdles?**
 - None

20190214 - Daily Scrum Meeting Minutes

20190214 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Implemented meeting joining functionality
 - Implemented meeting ending functionality
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Test the backend module 'meeting' for meeting creation, joining and ending actions.
- **What are the hurdles?**
 - None

20190215 - Daily Scrum Meeting Minutes

20190215 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to create a meeting and invite meeting members so that I can present and share documents.
 - Tested the backend functionality for the meeting module (meeting creation, joining and ending)
- **What is planned to be done until the next scrum meeting?**
 - Test the system thus far.
- **What are the hurdles?**
 - None

Sprint3

20190219 - Daily Scrum Meeting Minutes

20190219 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Testing backend's meeting module
 - Planning
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Research HTML5 Canvas element.
- **What are the hurdles?**
 - None

20190220 - Daily Scrum Meeting Minutes

20190220 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Researched HTML5 Canvas element
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Research HTML5 Canvas element
 - Implement prototype to write lines on canvas
- **What are the hurdles?**

- None

20190221 - Daily Scrum Meeting Minutes

20190221 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Did more research on HTML5 Canvas element
 - Wrote a prototype to write lines on HTML5 canvas
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - More research on HTML5 Canvas element
 - Add basic shape drawing functionality to prototype
- **What are the hurdles?**
 - None

20190222 - Daily Scrum Meeting Minutes

20190222 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Did more research on HTML5 Canvas element
 - Added functionality to add basic shapes
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - More research on HTML5 Canvas element
 - Add code to prototype to add text to canvas.
 - Add code to prototype to have multiple elements on canvas.
- **What are the hurdles?**
 - none

20190225 - Daily Scrum Meeting Minutes

20190225 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Did more research on HTML5 Canvas element
 - Added code to prototype to add text to canvas.
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Add code to prototype to have multiple elements on canvas.
 - Design event subsystem that can be used on drawn elements on the canvas.
- **What are the hurdles?**
 - None

20190226 - Daily Scrum Meeting Minutes

20190226 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Added code to prototype to have multiple elements on canvas.
 - Started design on an event subsystem that will allow drawn element to emit events
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Work on event subsystem
- **What are the hurdles?**
 - none

20190227 - Daily Scrum Meeting Minutes

20190227 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Worked on event subsystem to allow drawn elements to emit events
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.

- Work on event subsystem for drawn elements
 - Do some research to see if there exist a library that allows drawn elements to emit events
- **What are the hurdles?**
 - The complexity of the event subsystem will be too great for a single sprint

20190228 - Daily Scrum Meeting Minutes

20190228 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Do some research to see if there exist a library that allows drawn elements to emit events
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have the option to write on a canvas.
 - Try to find library that will allow events for drawn elements on a HTML5 Canvas
- **What are the hurdles?**
 - None

Sprint4

20190305 - Daily Scrum Meeting Minutes

20190305 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Planning
 - Testing the whole system
 - Did some research to find a library that allows for multiple elements of different types to be on the canvas.
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Research library that is compatible with electron js that will allow for a multi-object canvas.
- **What are the hurdles?**
 - None

20190306 - Daily Scrum Meeting Minutes

20190305 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Found an excellent library that allows for having multiple items on a canvas, allows for element selection and many other things (<http://fabricjs.com>)
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Integrate fabricjs with current project
- **What are the hurdles?**
 - None

20190307 - Daily Scrum Meeting Minutes

20190307 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Integrated fabricjs with current project
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Find a way to set canvas size to its parent element's size
 - Design and implement toolbox for freehand drawing
- **What are the hurdles?**
 - Having issues setting the canvas size to its parent element in the main view.

20190308 - Daily Scrum Meeting Minutes

20190308 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Created custom CSS class to set canvas size to its parent element, and bonded event to do the same on window resize (HTML5 native events)
 - Designed and implemented toolbox for freehand drawing
 - User can select preset colors or custom
 - User can adjust brush size
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Allow user to select a single or multiple items and delete them
 - Allow the user to drag and drop an image onto the canvas so that it can be manipulated.
- What are the hurdles?
 - None

20190311 - Daily Scrum Meeting Minutes

20190311 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Implemented functionality to let the user select a single or multiple items and delete them
 - Implemented drag and drop functionality to add an image onto the canvas using the FileReader API
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Allow the user drag and drop a youtube video onto the canvas and play it.
- **What are the hurdles?**
 - None

20190312 - Daily Scrum Meeting Minutes

20190312 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**

- As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Worked on adding a youtube video onto the canvas
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Work on allowing the user to drag and drop youtube videos onto the canvas.
- **What are the hurdles?**
 - Youtube videos do not support the <video> tag which is what fabricjs currently supports
 - Videos cannot be dropped onto the canvas

20190313 - Daily Scrum Meeting Minutes

20190313 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Since videos cannot be directly added onto the canvas, I added the thumbnail, the link and the title of the video and grouped them into a single object, then binded a function that opens a dialog to a double click event that will display the video on a different element allowing the user to play it.
- **What is planned to be done until the next scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Solve the issue that will keep the video playing when the user closes the dialog.
- **What are the hurdles?**
 - If the video is playing and the user closes the dialog the video won't stop playing

20190315 - Daily Scrum Meeting Minutes

20190315 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I would like to have a component that will allow me to brainstorm by putting different types of content so that I can more easily put a meeting or presentation together
 - Solved the issue where the video won't stop playing once the dialog that contains it is closed
- **What is planned to be done until the next scrum meeting?**
 - Testing the whole system.

- **What are the hurdles?**
 - None

Sprint5

20190318 - Daily Scrum Meeting Minutes

20190318 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Planning
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to clear the canvas so that I can start anew.
 - Create function that gets all objects on the canvas and removes them.
 - As a user I want to be able to group multiple items into a single item so that I can manipulate them as a unit.
 - Implement grouping functionality
- **What are the hurdles?**
 - None

20190319 - Daily Scrum Meeting Minutes

20190319 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to clear the canvas so that I can start anew.
 - Created function that goes through all objects on the canvas and removes them.
 - As a user I want to be able to group multiple items into a single item so that I can manipulate them as a unit.
 - Implemented method that gets all active objects and adds them to a group.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Brainstorm and prototype to come up with a way to remotely emit/recv events.
- **What are the hurdles?**
 - None

20190320 - Daily Scrum Meeting Minutes

20190320 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Created basic tcp server/client using node's 'net' native API
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Integrate created tcp server/client with the application
 - Design an application level network protocol that will allow for the encoding and transport of canvas events such as drawing, dropping an element, etc.
- **What are the hurdles?**
 - None

20190321 - Daily Scrum Meeting Minutes

20190321 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Integrated tcp server/client into the application.
 - When a user (sit) initiates a meeting the server is started on that machine and users joining the meeting will connect to the server
 - Started work on the protocol design to encode events and transport them
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Add components to the 'meeting' backend module to handle updating the mapping between table sits and their ip addresses
 - Keep working on the protocol design to encode events and transport them
- **What are the hurdles?**
 - None

20190322 - Daily Scrum Meeting Minutes

20190322 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Started design for backend component that will keep track of mapping between table sits and their IPs
 - Finished design for protocol that will encode and transport events
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Design and implementation of backend component for 'meeting' module that will track the mapping between table sits and their IPs
 - Start on the design of the subsystem that will put the tcp server/client, event/emitter and network protocol together, which will allow the user to have a shared and distributed canvas.
- **What are the hurdles?**
 - None

20190325 - Daily Scrum Meeting Minutes

20190325 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

Multi User Engine (MUE): Subsystem that will handle the communication between all clients on the network with a tcp clien/server architecture using a protocol that will allow for the encoding and safe transport events generated by the user on the application.

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Finished the design and implementation of the backend component for the 'meeting' module that will handle the mapping of the table sit IPs
 - Finished design for protocol that will encode and transport events
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Start the design of the MUE subsystem
- **What are the hurdles?**
 - The complexity of the subsystem MUE is becoming an issue

20190326 - Daily Scrum Meeting Minutes

20190326 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

Multi User Engine (MUE): Subsystem that will handle the communication between all clients on the network with a tcp clien/server architecture using a protocol that will allow for the encoding and safe transport events generated by the user on the application.

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Worked on the design for MUE
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Keep working on the design for MUE
- **What are the hurdles?**
 - None

Sprint6

20190401 - Daily Scrum Meeting Minutes

20190401- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Planning
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Finished the design of MUE subsystem.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Start implementing MUE's backend module
- **What are the hurdles?**
 - None

20190402 - Daily Scrum Meeting Minutes

20190402 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Create structure for backend module

- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Implement sit and table info update actions
- **What are the hurdles?**
 - None

20190403 - Daily Scrum Meeting Minutes

20190403 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Implemented sit and table info update actions
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Implement new design that will allow for more flexibility and general use of the application in general
 - Redesign of the database schema to accommodate a more abstract design
 - Refactor some of the classes to reflect elements of the new design
- **What are the hurdles?**
 - None

20190404 - Daily Scrum Meeting Minutes

20190404 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Completed new design for the backend system
 - Completed the redesign of the database schema
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Implementing new database schema and populating it with data
 - Refactor some of the backend code to make use of the new design and new database schema
- **What are the hurdles?**
 - None

20190405 - Daily Scrum Meeting Minutes

20190405 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Created new database with new schema and populated with data
 - Tested new database design
 - Refactored the code in the backend to make use of the new changes and design
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Redesign the application's canvas functionality in a more generic and abstract way.
- **What are the hurdles?**
 - None

20190408 - Daily Scrum Meeting Minutes

20190408 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Created the design that encapsulates all canvas functionality
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Integrate the new design with MUE subsystem.
 - Start implementation of new canvas design.
- **What are the hurdles?**
 - None

20190409 - Daily Scrum Meeting Minutes

20190409 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Integrated the new canvas design with the MUE subsystem
 - Started implementation of new canvas functionality
 - Identified a need to encapsulate all API requests into a single library.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Keep working on the implementation for the new canvas design
 - Redesign the module that deals with backend API requests to be more abstract and compact.
- **What are the hurdles?**
 - Some of the new functionality requires that the backend API requests be on the same library.

20190410 - Daily Scrum Meeting Minutes

20190410 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Completed implementation of new canvas design.
 - Redesigned the backend requests module.
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Implement the new design for backend requests module.
- **What are the hurdles?**
 - None

20190411 - Daily Scrum Meeting Minutes

20190411 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Started implementation of new backend request module.

- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Keep working on backend request module implementation.
- **What are the hurdles?**
 - None

20190412 - Daily Scrum Meeting Minutes

20190412 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Finished implementation of backend request module and completed the user story
- **What is planned to be done until the next scrum meeting?**
 - As a user I want to be able to have a shared canvas so that every action done on said canvas can be reflected remotely to other meeting participants and vice versa.
 - Test the whole system
 - Deploy to production.
- **What are the hurdles?**
 - None

Sprint7

20190414 - Daily Scrum Meeting Minutes

20190414- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Planning
- **What is planned to be done until the next scrum meeting?**
 - Create Presentation Poster
 - Design template for poster
 - Write Problem statement, Solution Statement and list of requirements
- **What are the hurdles?**
 - None

20190415 - Daily Scrum Meeting Minutes

20190415- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Presentation Poster
 - Designed the template for poster
 - Wrote all required text
 - Created final presentation poster.
- **What is planned to be done until the next scrum meeting?**
 - Create Final Document
 - Start work on final document
- **What are the hurdles?**
 - None

20190416 - Daily Scrum Meeting Minutes

20190416- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Document
 - Started work on final document
- **What is planned to be done until the next scrum meeting?**
 - Create Presentation Slides
 - Start work on final project presentation
 - Create Final Document
 - Work on Project Plan and System Design section
- **What are the hurdles?**
 - None

20190417 - Daily Scrum Meeting Minutes

20190417- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Presentation Slides
 - Finished final presentation draft
 - Create Final Document
 - Finished Project Plan section
- **What is planned to be done until the next scrum meeting?**
 - Create Final Document
 - Finish System Design Section
 - Work on System and Subsystem Decomposition
 - Work on Deployment Diagram
 - Work on Design Pattern Section
- **What are the hurdles?**
 - None

20190418 - Daily Scrum Meeting Minutes

20190418- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Document
 - Finished System Design Section
 - Finished System and Subsystem Decomposition, Deployment Diagram and Design Pattern Section
- **What is planned to be done until the next scrum meeting?**
 - Create Final Document
 - Keep working on Final Document
 - Work on System Validation section
- **What are the hurdles?**
 - None

20190419 - Daily Scrum Meeting Minutes

20190419- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Document
 - Worked on Final Document
 - Finished System Validation section
- **What is planned to be done until the next scrum meeting?**
 - Create Final Document
 - Start User Installation subsection

- **What are the hurdles?**
 - None

20190422 - Daily Scrum Meeting Minutes

20190422- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Document
 - Started User Installation subsection
- **What is planned to be done until the next scrum meeting?**
 - Create Final Videos
 - Start work on Introduction to Software Solution video
 - Create Final Document
 - Keep working on User Installation subsection
 - Start Appendix section
- **What are the hurdles?**
 - None

20190423 - Daily Scrum Meeting Minutes

20190423- Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Videos
 - Started work on Introduction to Software Solution video
 - Create Final Document
 - Finish user Installation subsection
 - Worked on appendix subsection
- **What is planned to be done until the next scrum meeting?**
 - Create Final Videos
 - Continue work on Introduction to Software Solution video
 - Create Final Document
 - Continue work on appendix subsection
- **What are the hurdles?**
 - None

20190424 - Daily Scrum Meeting Minutes

20190424 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Videos
 - Finished work on Introduction to Software Solution video
 - Create Final Document
 - Worked on appendix subsection
- **What is planned to be done until the next scrum meeting?**
 - Create Final Videos
 - Start work on How to user software video
 - Create Final Document
 - Continue work on appendix subsection
- **What are the hurdles?**
 - None

20190425 - Daily Scrum Meeting Minutes

20190425 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Videos
 - Created user guide video
 - Create Final Document
 - Worked on user guide document section
- **What is planned to be done until the next scrum meeting?**
 - Create Final Videos
 - create introduction video, shortcomings/wishlist video and installation video
 - Create Final Document
 - Work on installation guide and shortcomings guide
- **What are the hurdles?**
 - None

20190426 - Daily Scrum Meeting Minutes

20190426 - Daily Scrum Meeting Minutes

Attendees: William Escudero

Start time: 7:30am

End time: 7:45am

William Escudero :

- **What was done since the last scrum meeting?**
 - Create Final Videos
 - Created introduction video and shortcomings video
 - Create Final Document
 - Finished the installation guide and user guide. Finished the final document
- **What is planned to be done until the next scrum meeting?**
 - Work on final presentation slides
 - work on making confluence page look better
 - Finish everything up
- **What are the hurdles?**
 - None