

Sprint Planning Meeting Minutes:

Attendees: Alex Castaneira, Anthony Thompson, Jinpan Zheng, Alex Narvaez

Start time: 8:00 P.M. Monday, March 18 2024

End time: 8:25 P.M. Monday, March 18 2024

After discussion, the velocity of the team was estimated to be two canvas modules per sprint.

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

- As a student I want to review the DCEL data structures, voronoi diagrams, and triangulations that can be made from known objects in C++ codebase.
- As a student I want to develop complete slides by the next product owner meeting in which the switch case statements are complete.
- As a student I want to add to the existing java code base and finish the implementation of the remaining java switch case statements.
- As a student I want to make a text file reader for use on the Java side of a tech stack that has incorporated reading of all lines in wanted format for graphing later on with JGeom.
- As a student I want to create a reader that can read Java code in C++ to create objects in C++ using java code.
- As a student I want to find relevant known plots that can be displayed through slideshow capture and broken down through explanation to showcase the functional uses of our developed computational geometry program.

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

- Alex Castaneira
 - As a student I want to make a text file reader for use on the Java side of a tech stack that has incorporated reading of all lines in wanted format for graphing later on with JGeom.
 - As a student I want to find relevant known plots that can be displayed through slideshow capture and broken down through explanation to showcase the functional uses of our developed computational geometry program.
- Anthony Thompson
 - As a student, I want to begin to implement the remaining switch case statements
 - As a student, I want to continue to study C++ and the many features and libraries that could aid in our project development. As well as begin implementing the java component of our project.
 - As a student I want to review Java and its graphics component used to display certain Computational Geometry data structures.
- Jinpan Zheng
 - As a student I want to review the first most basic geometric algorithms such as pattern printing, lines, triangle, rectangle, square, and circle.

- As a student, I want to download and install the computational geometry algorithms library in my windows machine.
- Alex Narvaez
 - As a student I want to have a fully functioning CGAL library in which to use and grab resources from when needed.
 - As a student, I want to review C++ concepts, commonly used methods, and functions.
 - As a student, I want to review and study up on geometrical algorithms relating to the CGAL library.