

## **Sprint Planning Meeting Minutes:**

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

Start time: 8:00 P.M. Monday, April 1, 2024

End time: 8:25 P.M. Monday, April 1, 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 slides by the next product owner meeting, Friday, going over the architecture and creating diagrams to be used in the final presentations.
- As a student I want to add to the existing java code base, the export side to a txt file regarding objects used in graphing to make the complete architecture with endpoints on both sides.
- As a student I want to incorporate a simple map to be used for project presentation with known and readable points which can have triangulation or voronoi diagrams implemented.
- As a student I want to add to the existing C++ the import side of the codebase which incorporates full export and import capabilities for the standalone C++ program of geometric objects to and from a txt file.

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

- Alex Castaneira
  - As a student I want to develop slides by the next product owner meeting, Friday, going over the architecture and creating diagrams to be used in the final presentations.
  - As a student I want to add to the existing java code base, the export side to a txt file regarding objects used in graphing to make the complete architecture with endpoints on both sides.
- Anthony Thompson
  - As a student, I want to begin to implement the remaining java export side of the project
  - 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 to test the import side of our C++ side of the project
  - As a student I want to review Java and its graphics component used to display certain Computational Geometry data structure and begin to construct examples to show during the showcase.
- 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.