

Sprint Planning Meeting Minutes:

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

Start time: 6:00 P.M. Monday, February 12 2024

End time: 6:25 P.M. Monday, February 12 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 structure and algorithms associated with this data structure.
- As a student I want to develop complete slides by the next product owner meeting in which the standardization of toString for saving to text file geometric data for circles, triangles, rectangles, polygons.
- As a student I want to add to the existing student code base the goal of toString standardization which has incorporated new features of vertices that work on circles, triangles, rectangles and polygons.
- As a student I want to review the advanced geometric shapes used in our tech stack that cgal has incorporated such as triangulations and voronoi diagrams.

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

- Alex Castaneira
 - As a student I want to develop complete slides by the next product owner meeting in which the standardization of toString for saving to text file geometric data for circles, triangles, rectangles, polygons.
 - As a student I want to add to the existing student code base the goal of toString standardization which has incorporated new features of vertices that work on circles, triangles, rectangles and polygons.
- Anthony Thompson
 - As a student, I want to explore CGAL and begin to implement the DCEL data structure
 - As a student, I want to continue to study C++ and the many features and libraries that could aid in our project development
 - 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.