

Sprint 3 Plan

3D Matrix Calculator

Team Name: Matrix Masters

Completion Date: July 23 2018

Revision 2.0 July 16 2018

Goals:

Working further on the UI functionality, and the 3D aspects of the project, and have a release ready to show the professor.

User Stories:

1. As a matrix calculator user, I want a complete matrix calculator so that I can compute matrices and apply those matrices to a 3D model with no issues.
 - a. Develop unit tests for different aspects of the calculator. **Time Estimate: 3-4 days**
 - b. Be able to integrate all aspects of the calculator onto the server. **Time Estimate: 7 days**
2. As a matrix calculator user, I want to be able to interact with both the matrix and 3D functionality so that my computed matrices can affect my loaded 3D model.
 - a. Develop lighting modification **Time Estimate: 1 Day**
 - b. Implement preloaded objects **Time Estimate: 1 Day**
 - c. Integrate the queue holding matrix transformations **Time Estimate: 1 Day**
 - d. Be able to toggle between 2D and 3D mode and have both the matrix display and canvas show up in the same area (depending on what mode it is in). **Time Estimate: 2-3 Days**
 - e. Be able to use the matrix data from the sidebar into 3D mode. **Time Estimate: 1-2 Days**
3. As a matrix calculator developer, I want the UI to look nice and professional-looking so that the users can easily interact with it.
 - a. Make minor improvements to the CSS **Time Estimate: 1 Day**
 - b. Fix any errors with how things are being displayed **Time Estimate: 1 Day**

Team Roles:

Alfredo Rivero: Developer, Product Owner

Zoe Tacderas: Developer

Tianyi Tang: Developer, Scrum Master

Abraham Cardenas: Developer, Scrum Master

Jacob Schwartz: Developer

Initial Task Assignment:

Alfredo Rivero: User Story 2, Task c

Abraham Cardenas: User Story 1, Task a

Tianyi Tang : User Story 3, Task b

Zoe Tacderas: User Story 2, Task d

Jacob Schwartz: User Story 1, Task a

Scrum times:

Monday, Wednesday, Friday, after 1:30pm.