Sprint 1 Report

Product: MAT3D
Team: Matrix Masters
Date: July 7th, 2018

Things to Stop Doing:
1. The team should all avoid being late to scrum meetings held on Mondays, Wednesdays, and Fridays. Being late to scrum meetings interrupts the meeting held and keeps some team members out-of-the-loop.

Things to Start Doing:
1. The team should scrum at the start of the meeting. By scrumming before any activity, the team has a better idea of the project's progress and how that might affect current/future tasks.
2. The team should provide user stories with more tasks. By writing user stories in this manner, the team has a better idea of what specific tasks the developer will be completing daily during the sprint.
3. The team should start taking advantage of GitHub branches. By using branches, the team will better organize the shared repository.
4. The team should start updating sprint/project documentation daily. By doing so, the team can submit higher quality documentation to the GitHub repository.

Actions to Keep Doing:
1. The team should continue using the shared GitHub repository. By using the shared repository, the entire team is kept in-the-loop of everyone's progress and allows for code organization.
2. The team should continue meeting up on weekends. By meeting up on the weekends, we have encouraged face-to-face communication which has helped the development of the project.
3. The team should continue communicating on Slack. Slack has kept everyone in touch and facilitated quick questions/answers.
4. The team should continue following the established coding conventions. Following these conventions keeps code neat and concise.

Work Completed/Not Completed:
Completed:
1. As a matrix calculator developer, I want a working github repository and have everybody acquainted with Github so that we can share code more easily.
2. As a matrix calculator user, I want a 3D viewport to be implemented so that I can view any 3d models I import into the calculator.
3. As a matrix calculator developer, I want a user input parser so that the user can provide complex matrix calculations.

4. As a matrix calculator user, I want to be able to move the camera within the 3d viewport so that I can see my 3D model at different angles.
5. As a matrix calculator developer, I want a matrix cell parser so that a user can define scalars such as complex numbers, trig functions within their matrices.
6. As a matrix calculator developer, I want a sidebar variable parser so that a user can define complex combinations of defined matrices. **TimeFrame: 2-3 days**
7. As a matrix calculator developer, I want a sidebar so that we can put matrix variable items on that sidebar.

Incomplete:
8. As a matrix calculator developer, I want the top bar to take user input so that the user can specify matrix calculations.
9. *As a matrix calculator user, I want to be able to import/export OBJ files so that I can display the on screen.*
10. As a matrix calculator user, I want changes to any matrix to affect the other defined matrices so that my calculations can be more impactful

Work Completion Rate
User Stories Completed:
7 User Stories
Work Hours Completed:
87 Hours
Sprint Day Total:
7 Days
Estimated User Story Time (Numbered as Listed Above)
1. **4 Hours and 20 minutes**
2. **1 Day**
3. **4-7 Days**
4. **1 Day**
5. **2-3 Days**
6. **2-3 Days**
7. **1-2 Days**
8. **1 Day**
9. **1 ½ days**
10. **2 Days**