

Documentation of Work:

9/11: First Team Meeting (3:00 - 4:00 PM) - All members

- Looked at project requirements, deadlines, team roles
- Designated roles to each team member
 - Priyatam - Scrum Master/Team Leader
 - Abinav - Main Developer
 - Liv - Assistant Developer
 - Ansh - Documentation / Commenting
 - Ojas - Tester
- Decided on programming language to use (Python)
- Figured out schedules, what times everyone was free to meet in person
- Made plan to communicate every day about what updates were made
- Action items
 - Start developing the skeleton code (Abi and Liv: 4:00 - 5:30 PM)
 - Figure out time to meet on 9/13
- Ansh concurrently documented everything that was going on (this file)

9/12 First Product Development Sprint / Meetings

- Abinav spent 3 hours and finished full base version of functional code (12:00 - 3:00 PM)
- Uploaded the finished code to Ojas for testing purposes.
- Ojas wrote test code and started checking for errors that might occur (4:00-5:00 PM)
 - Total time took an hour
- Ojas found two critical errors where the programming ran improperly.
 - The first one was when a ship was placed out of bounds
 - The second one was when a ship overlapped with another ship
- Ojas then uploaded the updated code, and asked Liv to fix these bugs/issues
- Ansh documented these instances (8:00-8:10 PM)

9/13 Second Product Development Sprint

- Liv spent about 1 hour overviewing and resolving bugs and issues in the code (9:00-10:00 AM)
 - Also polished up some of the code for better output formatting
- She then sent the updated code back to Ojas for final testing
- Ojas tried his test cases, saw that they worked, came up with additional, possibly error-causing test cases, and saw that the code didn't fail any of them. (1:00 - 1:30 PM)
- Ojas approved of the product, and instructed Pri to hold a meeting at night (1:30-1:40 PM)
- Pri called for a meeting with the whole group. (8:00 - 9:15 PM)
 - Everyone gave updates on their positions
 - We did a final demonstration of the program to Priyatam

- He then gave his approval and directed Ansh to begin commenting
- Ansh was able to start commenting on the final version of the code
- Ansh documented these instances (10 minutes)

9/14 Documentation

- Ansh finished commenting on the code and updated Priyatam about this. (4:00-5:20 PM)

9/15 Final Team Meeting (2:30 - 4:00 PM)

- Created group github
- Had a final team meeting where we triple checked the code, test cases, etc.
- Uploaded all the files to github and committed it.

Total Actual Hours:

Priyatam

- 4 hours and 15 minutes
 - 3 hours and 45 minutes (from meetings)
 - plus approximately 30 (minutes from emails)

Abinav

- 8 hours and 15 mins

Liv

- 6 hours and 15 mins

Ansh

- 5 hours and 25 mins

Ojas

- 5 hours and 35 mins

Estimate Hours:

Priyatam

- Preparations for meetings (15 minutes per meeting)
 - I need to look at the project requirements, rubric, and plan on what we are going to talk about in each meeting, having a list of talking points
 - I need to figure out a time that we are all free to meet for each meeting
- Lead Meetings (around 30 minutes per meeting)
 - I will direct the meeting through each of the talking points and make sure everyone is on the same page
- Mini Meetings (15 minutes per meeting)
 - I will need to have a small meeting whenever there is a substantial update on the project, such as code development, testing, commenting, etc

Abinav

- Product Development (3 hours)
 - I am the main developer so I will be programming the majority of the project
 - This will take multiple sessions, and after making a skeleton code, I estimate the code to be around 150 lines
 - So I think coding will take around 3 hours
- Communication
 - I have to communicate with Liv for development, and Priyatam for updates
 - With these tasks, I think it will take around 1 hour total

Liv

- Product Development (2 hours)
 - I'm the secondary developer, so I will be coding with Abi
 - I will clean up errors that come with coding, as well as errors that Ojas finds during testing
 - I think this will take around 2-3 hours
- Communication
 - I will be in constant communication with Abi, but also have to talk with Ojas if he finds errors
 - I believe this communication will probably take around an hour

Ansh

- Documentation
 - I will provide documentation for each meeting and be responsible for putting together the final write-up.
 - I will also be in charge of commenting on the program.
 - This will take around 4 hours due to the 3 meetings and an extra hour for commenting on the code.

Ojas

- Testing
 - I will be helping Abi and Liv with the code by thoroughly testing it through all base cases.
 - I think this will take me around 1 hour but it depends on how many times they ask me to test for them.