

sddec20-20: A Parking Sharing System

Week 3 Report

February 17 - March 1

Team Members

Jeremy — *Project Manager*

Lorenzo — *N/A*

Jason — *Communications*

Ethan — *Webmaster*

Gabrielle — *N/A*

Jorden — *N/A*

Summary of Progress this Report

- * The team looked more into the technologies for the project and is looking to begin creating our environment and code.
- * Started a tentative task list to be completed during development.
- * Voted on backend technologies that will be used. The team decided to use NodeJS and Express as the server technology, and MongoDB as the database.
- * The team voted on the project tracking software and decided on GitLab.
- * Discussed potentially putting the server into a container (via Docker), to make development easier and portable.

Pending Issues

- * Look into the chosen technologies and see if they are open source (or can otherwise be used commercially)
- * A solution for verifying host ownership

Plans for Upcoming Reporting Period

- * Continue to refine the tasks that were mentioned.
- * Begin getting the project workspace environment setup and related frameworks setup. The goal is to start a barebones environment for the team to begin development.
- * Continue to do research on new ideas and technologies that could be utilized in the project.
- * Start to transfer the tasks over to GitLab milestones, start an agile/scrum board of some sort.
- * Brainstorm ideas on how to “verify” that a host owns the property that they are listing on the application
- * Look into software that is ideal for mocking out UI designs to get a better idea of what the frontend for both versions of the app will roughly look like

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Jeremy	Came up with the idea of putting the server into a container. Looked into Docker,	2	6.5

	potentially might work on the CI/CD pipeline. Alternatively, you may need to use Podman because Docker requires root access in order to use. Depending on issues, we may need to use VMWare as an alternative.		
Lorenzo	Used existing parking apps to try and mock out possible UI designs and additional features, looked into possible database systems like PostgreSQL and MongoDB	2	6
Jason	Researched different backend technologies, including languages and database systems.	2	6
Ethan	Looked into how Airbnb handles verifying homeownership. Contributed ideas for tasks to accomplish during development.	2	7
Gabrielle	Worked on an additional section of the design document. I started to research a more cross-platform application development and found Ionic.	1.5	5.5
Jorden	Generated ideas for tasks that the team will need to accomplish during the development process to help create structure in the project	1	5.5

Gitlab Activity Summary

Nothing to report.
