
EE/CprE/SE 491 BIWEEKLY REPORT sddec20-20

March 22nd - April 9th

Group number: 20

Project title: A Parking Sharing System

Client &/ Advisor: Ahmed Kamal

Team Members/Role:

Jeremy Galang (Project Manager)

Ethan McGill (Webmaster)

Gabrielle Johnston

Jorden Lee

Lorenzo Zenitsky

Jason Neville (Communications)

- **Weekly Summary**
 - Coordinated new meeting plans and how to proceed forward with online instruction. Project plans will still remain the same, however communication will be different.
 - Looked into tutorials for our technology stack on LinkedIn learning for our applications. Currently finishing up and going through them.
 - Beginning the transition into development, wrapping up the planning phase.
- **Past Week Accomplishments**
 - Created a Linux VM that contains MongoDB and OpenSSH. Currently can act as a local server for the time being for frontend and backend development.
 - Organized and refined tasks on Gitlab, brainstormed ideas on a roadmap for development. Delegated tasks to individuals on what tutorials they should be watching.
- **Pending Issues**
 - The COVID-19 issue may cause a delay with ETG when we need resources for our applications such as a server. We will need to contact them and ask them questions regarding the matter.
- **Individual Contributions**

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick List of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>Hours cumulative</u>
Jeremy	Created the Linux VM and installed MongoDB and OpenSSH. Organized Gitlab tasks for individuals and began watching JavaScript tutorials. Did research and collaborated with client/advisor regarding server needs and requirements.	12.5	24
Lorenzo	Worked through some Redux and React tutorials and added a rough-draft implementation to the frontend. Researched two-factor authentication for our project.	14	25
Jason	Sketched out a detailed project timeline on the design document. Also started learning about node.js syntax and MongoDB for the backend. Did some experiments with both technologies. Researched information about Express.	10	20
Ethan	Created a skeleton node.js and react native application and pushed it to the team git repository. Modified the existing server code I created to add more dependencies that we will need. I helped Jeremy with the VM and got the skeleton server code connected to the database on the VM. Finally, I wrote a how-to, to install, setup, and connect to the VM.	13	26
Gabrielle	Got the project pulled down on to my local machine. I started on a React tutorial (I've never used it). Helped with task assignments. Worked through some of the React native tutorials. Took meeting notes and refined some of the Gitlab tasks.	12.5	23
Jorden	Started learning the MERN stack for the	10.5	21

	development portion of this project. Organized tutorials and began looking into React and JavaScript tutorials. Looked into refining some of the project's requirements and contributed ideas to brainstorming the project.		
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- **Plans for the upcoming week**

- Wrap up the tutorials for our technology stack, and begin development.
- Contact ETG regarding our server, and see what they have available for us.
- Look into implementing a barebones login with JWT tokens or some form of security.

- **Summary of weekly advisor meeting**

- Our client spoke with ETG regarding a public IP, and our team came to a consensus that we don't need a public IP at the moment. We simply just needed a server that was similar to the one in COMS 309 (which is a barebones Linux server with a database)
- Formal tasks needed to be delegated and broken down
- UI Frameworks may be useful in our application
- Client/Advisor suggested that we use LinkedIn Learning to go through all technology stack applications.