
EE/CprE/SE 491 WEEKLY REPORT 3

September 27 - October 11

Group Number: 11

Project Title: Companion file browser application

Client: Buildertrend - Kirit Chandran

Advisor: Dr. Mai Zheng

Team Members/Role:

Christopher Bui - Software Engineer - Full Stack developer

Brian Chodur - Software Engineer - Lead Front-end developer

Luke Stoll - Computer Engineer - Report & Task Manager

Jason Zhao - Computer Engineer - Project Planner & Back-end developer

Bei Zhao - Computer Engineer - Front-end developer

Weekly Summary:

We finished a lot of back-end endpoints that are necessary for the web applications. This includes listing folder directory contents based on folder and company of the user. Rename, move, delete, etc for files and folders. We finished the endpoints for file versioning and deleted files to maintain a history folder in our file system. The comment module is also done, which let user leaves comments to the file groups. On the front-end, most of the components are finished. History, deleted, file listing, admin page are done.

Accomplishments:

- **File & folder endpoints**
- **Front-end components (versioning, deleted, files, folder, admin)**
- **Version, Comment, AccessCode, and Deletion Module API Complete**

Pending Issues:

- **JWT - refresh token without having the user login again once it expires**
- **Connecting front-end and back-end endpoints (some data returned is not what front-end expects)**
- **How to handle role based actions on the front-end**

Individual Contributions:

Team Member	Contribution	Report Hours	Total Hours
Christopher Bui	Worked back-end endpoints for listing folder directory contents, rename folders and files, and move files. Added JWT on the front-end.	15	45
Brian Chodur	Worked on the FileHandler for the frontend. Got some endpoints from the frontend connected to the backend. Got the database setup for my local computer. Redesigned some of the models on the frontend.	25	55
Luke Stoll	Worked on finishing up the JWT (JSON Web Token) and started working on user roles for permissions within the application.	15	40
Jason Zhao	Finish Version, Comment, AccessCode, and Deletion Module API. Provide help to other teammates on changing database.	30	60
Bei Zhao	Created file detailed page and it could route with homepage and parse data from mock data.	15	40

Plan for the upcoming week:

- Christopher Bui
 - Work on connecting more endpoints between front-end and back-end for full working web application
- Brian Chodur
 - Working on implementing some of the frontend handlers. Get the frontend end connected to the backend to receive data from the backend.
- Luke Stoll
 - Finish up user permission roles and help get the application fully working.
- Bei Zhao
 - Finished the functionality of the file detailed page and made it communicate with API. If having more time, will implement profile page front-end, folder rename API and move folder API.
- Zhenyu Zhao
 - Clean up the backend code: store datetime in utc time zone, change half of the endpoint to take database object id instead of relative path to the files, helping other teammate connect frontend with backend and also connect with permission module.