

CS 491 - Jeremiah Webb

Engineering Notebook

1/17/2023 - Initial Project Vision and Issue Tracking

- **Component:** Project Vision and Issue Tracking System
- **Problem Solved:** Established the product vision in a group meeting and decided on adopting Github for improved issue tracking.
- **Documentation:** Created initial documentation on Github to outline the project vision and issue tracking methodology.

1/20/2023 - API Authorization Method Implementation

- **Component:** API Cognito Authorization
- **Problem Solved:** Successfully implemented the Cognito Authorization method for the API and figured out its application in JavaScript.
- **Documentation:** Documented the authorization method and its implementation process in JavaScript.
- See Github Issues: [AddCognitoIssue](#)

1/23/2023 - Meeting Schedule Establishment

- **Component:** Project Management
- **Problem Solved:** Set a weekly meeting schedule to ensure regular team collaboration and progress checks.
- **Documentation:** Updated the project management documentation to reflect the meeting schedule.

1/29/2023 - Filtering Code Development

- **Component:** Data Filtering System
- **Problem Solved:** After struggling with Rust, switched to Python and efficiently completed the new filtering code within 4 hours.
- **Documentation:** Documented the filtering system's development process and its implementation using the Boto3 library in fetchDashboard.py.

1/30/2023 - Recommendation System Discussion

- **Component:** Recommendation System
- **Problem Solved:** Engaged in a productive discussion on designing the recommendation system, focusing on the weighting of user inputs.
- **Documentation:** Drafted notes on potential approaches to the recommendation logic and user input weighting.

2/1-2/2023 - Pagination Implementation for Frontend

- **Component:** Frontend Pagination
- **Problem Solved:** Addressed challenges with React's useEffect methods and JS error handling to implement data pagination on the frontend.
- **Documentation:** Documented the pagination implementation process, highlighting solutions to encountered challenges.

- See Github Issues: [Dashboard Cleanup for loading Rows for dashboard](#), [Dashboard Pagination](#), [API Update for Pagination](#),

2/3-4/2023 - CI/CD Setup

- **Component:** Continuous Integration/Continuous Deployment (CI/CD)
- **Problem Solved:** Overcame issues with AWS Amplify and Github repository organization to establish a CI/CD pipeline.
- **Documentation:** Detailed the CI/CD setup process, including troubleshooting and solutions.

2/5/2023 - CORS Issue Resolution and Productive Coding Session

- **Component:** API Gateway and Lambda Functions
- **Problem Solved:** Resolved CORS request issues for the production website by specifying return headers for API gateway interactions with lambda functions.
- **Documentation:** Documented the solution to CORS issues and the progress made during the coding session.

2/8/2023 - Github Issue Management

- **Component:** Project Management
- **Problem Solved:** Created new Github issues for ongoing project tasks and noted the need for notebook organization.
- **Documentation:** Updated project management documentation with new issues and organizational tasks.

2/14/2023 - Tool Upload Page Development

- **Component:** Tool Upload Web Page
- **Problem Solved:** Began developing the tool upload page and sought assistance with pagination on the tool dashboard. Finished!
- **Documentation:** Documented the development process of the tool upload page and collaboration efforts.
- See github issues: [UploadToolMechanism](#), [UploadToolWebPage](#), [EditAPIUpload](#),

2/16/2023 - Recommendation Algorithm and Tool Data Management

- **Component:** Recommendation Algorithm and Tool Data
- **Problem Solved:** Discussed future tasks with Troy, focusing on improving the tool data management and enhancing the recommendation algorithm.
- **Documentation:** Outlined plans and approaches for enhancing the recommendation algorithm and managing tool data.