

Accomplishments Last Week:

UI Development Progress:

- Completed setting up the UI for the receipt scanning app using React Native for iOS platform.
- Integrated Firebase with the UI, enabling functionalities such as login screen implementation.
- Successfully configured user authentication and data storage features using Firebase services.

Backend Development Advances:

- Made progress in backend development by focusing on implementing a script for text extraction from images.
- Utilized Tesseract.js library for optical character recognition (OCR) to extract text from receipt images.
- Conducted testing and refinement to ensure accurate text extraction under various conditions and image qualities. Still have a lot to work here, the ocr is not as good as we thought. So potentially we will have to create backups.

Plans for Next Week:

UI Enhancement and Feature Implementation:

- Enhance user interface elements to improve user experience and visual aesthetics.
- Implement additional features such as image cropping and editing functionalities to facilitate receipt scanning.

Backend Optimization and Integration:

- Optimize the backend OCR script for improved text extraction accuracy and efficiency.
- Make sure the script works at a basic level, not integrated with app yet

Documentation and Deployment Preparation:

- Document the development process, including code documentation, user guides, and API references.

Key Focus Areas:

- Maintain a balance between frontend and backend development efforts because at some point they will have to come together

Conclusion:

The past week marked significant progress in both frontend and backend development aspects of the receipt scanning app. With the UI setup completed and Firebase integration in place, we have laid a foundation for user authentication and data management. Moving forward, our focus will be on enhancing UI elements, optimizing backend functionalities, and ensuring rigorous testing and quality assurance to deliver a high-quality and reliable application to our users.