

Weekly Report - Week Ending March 18, 2024 TABS -Owen, Evan, Mitch, Connor

Accomplishments This Week:

UI Development Progress:

- Our team continued to refine the UI for our application, with an emphasis on enhancing its visual appeal. However, the implementation of drag and drop functionality has presented significant challenges, requiring further attention and problem-solving. This hasn't been a great dev period for us since we have been coding a lot of code that cannot be merged.
- Working on integrating camera functionality. Despite efforts, this feature might need reconsideration or alternative solutions due to encountered complexities. We will focus on getting drag and drop inputs to get a working app.

Backend Development Advances:

- Recognizing challenges with Optical Character Recognition (OCR), we pivoted towards improving text extraction from images using alternative methods, starting with plain text extraction. Continuing with a focus on that.
- Considered the integration of text-based features or additional functionalities to help the app's utility.

Plans for Next Week:

UI Enhancement and Feature Implementation:

- Enhance UI elements in alignment with our design plans, with a particular focus on challenges related to drag and drop functionality.
- Integrate user-friendly features such as real-time updates during item addition and tax splitting functionalities.
- Continued refinement of text extraction methods, exploring both pre-trained models and potential custom training approaches to boost accuracy, although the latter remains a long-term consideration given our current project stage.

Key Focus Areas:

- Prioritize backend improvements to ensure reliable text extraction, recognizing its pivotal role in the app's functionality and user experience.
- Merge frontend and backend developments, with a priority on drag and drop functionality and implementing data storage solutions for enhanced user experience and historical data retrieval.

Conclusion:

While encountering challenges with OCR, we are working hard in alternative approaches and continuous improvement in easily splitting bills. Our focus remains on creating an aesthetically pleasing and highly functional app that offers utility to users.