

Senior Design Assignment 7

Team: JaPolCha

Project Title: Matcha

Team Members:

- Chau Nguyen
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- Jack Nguyen

Project Goal: A receipt matching system to automatically match receipts with bank statements to reduce manual effort.

Our Capstone Project has several constraints that will then affect the solution that our team can realistically implement within the given time frame. Economically speaking, we will be using free and open-sourced tools provided to us, such as Python Libraries, AWS services provided by the Midea team along with any other resources available to us via UC. We don't really have a budget set in stone for the project, but there **may** be some paid APIs that we will be using as the baseline for our models.

As for security, we must definitely ensure that any financial or personal information remains confidential and only limited to our uses within the project. Since the receipts and bank statements we'd be working with may reflect real life purchases, protecting privacy and preventing the misuse of said data should be our top priority. In detail, the project sponsor also provides constraints to LLM usage that prohibit training/sending data to a cloud hosted LLM service provider, prompting a local/self host approach instead.

Legally, we must comply with data protection standards and avoid using copyrighted or proprietary models without proper licensing. All the data we'd use must also be anonymized to prevent unintentional disclosure of sensitive information during training or testing. The team must ensure that no proprietary or customer-identifiable data is shared outside approved environments.