

LOCATION-BASED SMART DIGITAL WALLETS WITH TRACKING

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CSC2231 - ADVANCED TOPICS IN MOBILE AND CLOUD COMPUTING

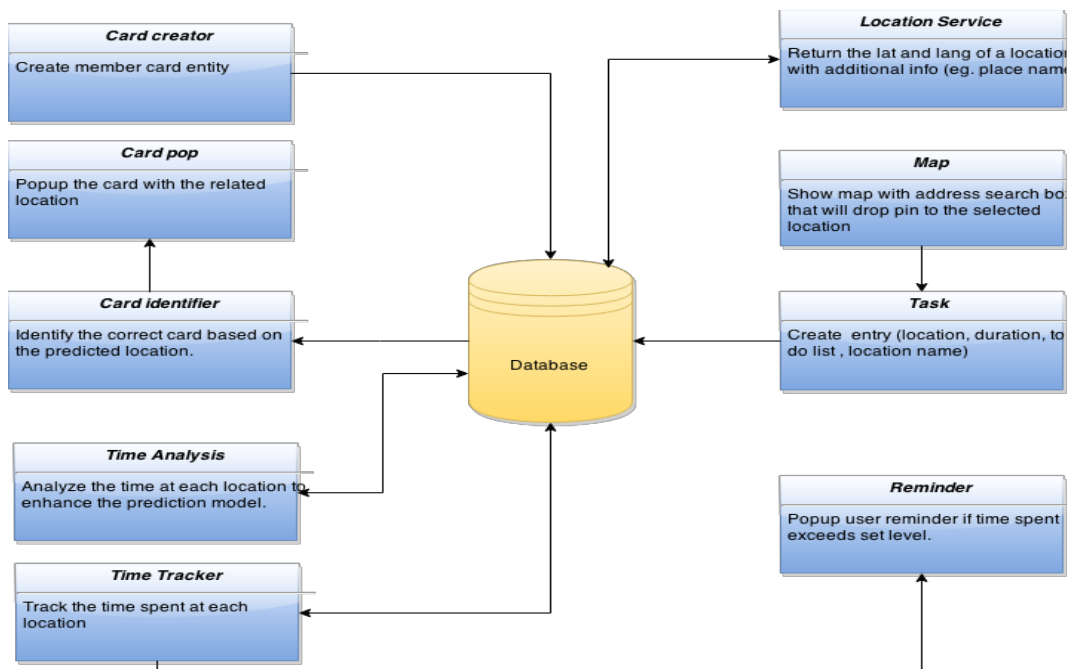
SECOND PROGRESS REPORT

OVERVIEW

The digital revolution continues to transform most aspects of our daily life. It is moving more to enhance the quality of our living and to facilitate our daily interaction. So, we plan on using this technology to enhance the user shopping experience. Our goal is to minimize the time wasted during shopping by:

- Contextually identifying, the location of a user by using sensor data. Therefore, if the user is at a determined place, where they have previously stored membership card in the application, it will pop-up the corresponding card. This new feature will avoid users to searching for a card manually.
- Storing the digitized membership card and tagging them to particular locations.
- Keeping track of time spent at a store, and sending a reminder if they have spent more than the planned duration.

ARCHITECTURE



CURRENT PROGRESS

The current progress of our project is as follows:

- Completed location based reminder.
- Completed scheduler.
- Completed database structure and implementation.
- Completed barcode reader and barcode generator.
- Completed Location based time-tracker.
- Partially completed prediction model.
- Partially completed all user interfaces, with the pop-up reminders partially completed.

We've a major part of our application implemented and we aim to complete the application by the week of 23rd-29th March.

NEXT STEPS

- Complete the application and finish testing.
- Optimize the Prediction model.
- Draw up and perform a user-study of the application.
- Evaluate the application on different parameters.

SCREENSHOTS

