

## CS 4720 - S17 - Final Project Proposal

Device Name: Empire                      Platform: iOS

Name: Puja Soni                              Computing ID: pds7yx

Name: Charu Mishra                      Computing ID: cm2jk

App Name: On This Day

### Project Description:

On This Day is essentially a daily journal. For those people who aspire to record their lives easily and efficiently this application will prove to be an amazing option. Usually people can't keep up with jotting down their memories, or taking a picture everywhere and having it organized. Memories should be recorded and just pictures aren't the way. A journal that you are taking around in your phone though may just be enough to capture feelings and moments that you are living it.

What we propose to do is create an app that will do the following:

- The system shall record the key locations that the user's GPS picks up and jot it down for that day's memories
- It shall give a notification asking if the user would like to take picture at the location and save it to the day.
- The system shall allow a user to take pictures and will save them in that day's memories.
- The system shall allow a user to edit a day to journal their own moments from that day in a written format.
- The system shall allow a user to upload images into a "day" from the camera roll.
- The system shall allow a user to take audio recordings that will be saved in that day's memories.
- The system shall allow a user to view any previous day's memories/journal entry.

We plan to incorporate the following features:

- Camera - A user can take pictures of places they are at / things they are doing during the day. These pictures will be saved to that day's memories.
- GPS/ Location-awareness - The app will recognize key places that the user went to during the day, such as the movie theater or a restaurant, and will save these locations in that day's memories.
- Microphone/Audio management - A user can will be able to save audio recordings to the day's journal. The user can talk about their day or something memorable that happened and these audio recordings will also be saved to the day's memories.

- Data storage using file read/write or data serialization read/write - The app will save each day's associated pictures/locations/recordings so that when users click on some past date in the calendar, that day's journal data will be presented to the user.
- Open shared activity/features - The app will allow users to import pictures from their camera roll and save them into a day's memories.

#### Wireframe Description:

Our wireframe shows the basic layout we are envisioning for our app. After the launch screen appears, the calendar appears with the current month showing and the current date highlighted. Users can move between months by the arrows in the top left and right corner. When a user clicks on a date, they are brought to a screen which shows that day's "journal" - these are all the locations, memory notes, audio recordings, and photos associated with that day. If a user clicks on a photo, they are taken to another screen which allows them to view the photos in full screen and they can swipe left and right between the photos for that day. The functionality of adding a new entry to the day is shown when a user clicks the + button in the top right corner. The system presents the users with a selector of which type of item they would like to add, which is important to keep the app as simple and understandable as possible. Each type has its own UI for adding a new entry of that type (shown by the "add new" screens in the wireframe). Users are also able to edit already existing items, which is useful to have if there are typos or additional things want to be added to an already existing note. We would like to add a feature where users can import photos from their camera roll into a day's journal in case they forgot to open their app to take a picture during the day.