

Where-To-Meet Mobile Application

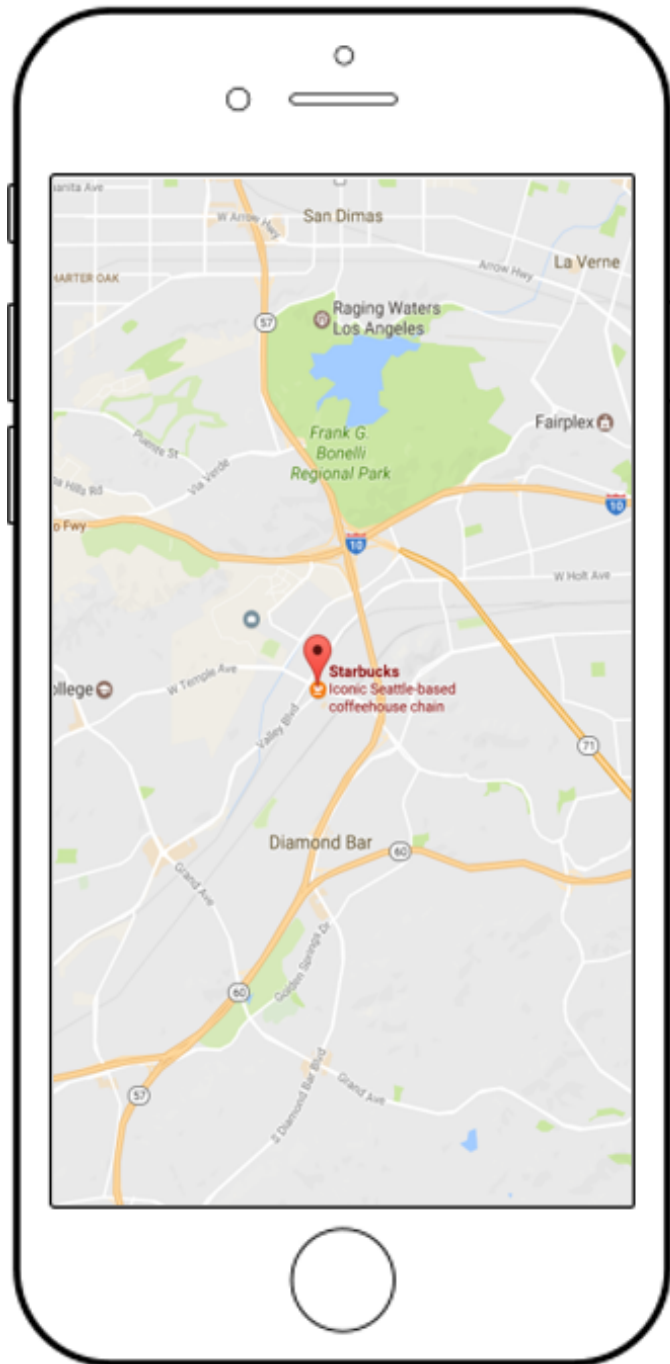
Design Document

Problem:

- It's hard to make a decision where we want to meet within people in a group.
- The same person in the group always be the person that come up with a meeting location.
- People in a group always say "Up To You" or "You can decide", so the problem is no one want to think about a meeting location.
- It takes time to search for a good location that we want to meet.

Goal:

- Automatic generate a meeting location that based on everyone's address and preference.



Regarding the wireframe prototype:

Main Page:

The application require user to log-in before users can start use the application. After user log-in, there are 3 main buttons in the main page: "Group Name", "Groups", and "Create New Group". Function of these 3 buttons are described as the following:

Group Name: the first button will show the group name of the group that user most interact with. Example, if user mostly joins events in Group#2, the first button will show "Group#2" on its label and the click-function will lead to Group#2's Event Page.

Group: the second button will lead to Group List page that show all groups that user is a member of the groups.

Create New Group: the third button will lead user to Create New Group page, the new Group page will allow user to create new group by naming the group and adding new members with user id.

Another button of the main page is User Setting button, the button will lead user to modify and edit user's information such as user's address.

Event Page:

When user clicks on Group Name button, the button will lead user to Event Page of each group. There are 2 main functions on this page: upcoming event information and calendar of the group.

The upcoming event information includes activity type, date, and location. Of the nearest date of event. There is a button that lead user to Event Details page.

The calendar will show all events info and when we click on date will show 2 options: Check and Add. The Check option will lead user to Event Details page that show event details of the date that user select. And the Add option will lead user to create new event for the group.

Event Details Page:

The Event Detail Page shows information about activity type, the meeting location and members with time-distance from the location. And there is a location button that lead user to Map Application.

Create New Event Page:

After user select date from calendar in Event Page, and select Add option. User can create new event based on 2 options: activity type and location type.

Activity types: the activity type represents the purpose of the meeting such as study, dinner, lunch, shopping, fun, or else.

Location types: where is the base location that user want to meet such as in the middle of everyone's address or next to specific location.

Result Page:

After user click Create button from Create New Event page, the application will show result based on 2 factors (activity type and location type).

There a 3 main methods:

1. Find base location from Google API from location type factor. Example if it's middle location type, select a city that is at middle of everyone's address. The output of this method is a city name.
2. Find Places from Yelp API – search several places based on activity option and the city from previous method. The output of this method is list of places.
3. Select one location and show graphical details on map (Google API) that include the target location, and users with estimate time arrival to the target location.

User also can random new location based on the same factors from previous page or re-try with new input that will lead user back to Create New Event page.