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December 10th, 2024

MSCSSE UW Bothell

CSS 545 – Mobile Computing

MeetMeHalfway v2.0 Final Design Document

**Objective**

MeetMeHalfway seeks to provide users with a fast and simple tool for planning a meetup. Whether across town or across the country, MeetMeHalfway will find a meeting point for any drivable route between two points and suggest nearby hotels, food and drink, and activities to users to begin planning a trip. When a phone call doesn’t feel like enough time with your friend or loved one, MeetMeHalfway.

**Core Value and Primary Purpopse:**

* Enable maintaining friendships or other long-distance relationships
* Provide a fast and simple tool to begin planning a meet up with someone in a different city
* Provide a fast alternative to scrolling Google results (map and search)
* Give a foundation of information for users to begin planning a trip

**Success Criteria**

* How fast are results gathered? Most cases: less than 5 seconds, some cases: less than 10 seconds, all cases: provide some sort of information to the user
* Design simplicity: Do you know what the app is for, how to use it, and what to do on the screen to accomplish your goals as a user?
* Gives at least one good meeting point in all calculable cases (not accounting for air travel)
* Gives at least one hotel and one restaurant or food option per meeting point

**Changes Since Final Project Presentation**

* Updates and improvement to UI theme and layout
* Error handling for air travel or indeterminable route cases
* Proper state management on every view and within NavigationStack
* Added state/region information for meeting point results for clarity
* Fixed bug when tapping info circle doesn’t details on first try
* Fixed bugs in geocoding when different cities share an address (i.e. 50 Wall St in Seattle or New York)
* Fixed international results not working correctly by updating search parameters
* Implemented segmented picker for nearby results categories

**User Privacy and Security**

MeetMeHalfway intentionally does not retain any PII from users. In fact, the only storage happening is with trip data like location1, location2, meetingPoint, meetingPointCoordinate, and favoriteResults. This information is all publicly accessible through APIs like Google, AppleMaps, and Yelp. MeetMeHalfway will never store a user’s PII, including device information. Users entering their own personal address into the search can do so knowing this information is only saved locally on their device but do so at their own risk. MeetMeHalfway only uses user entered data in conjunction with Apple MapKit’s built-in API; no user data is transmitted or stored over the cloud.