MeetOver

Product Backlog

GitHub

Team 24

Austin Reed (reed176@purdue.edu)

Matthew Pace (pace4@purdue.edu)

Thomas Fanella (fanella@purdue.edu)

Krutarth Rao (raok@purdue.edu)

Problem Statement

Airport layovers, train stations and other travel hubs are usually places where business professionals spend a lot of time waiting. This waiting time is sometimes wasted, but it is actually a great opportunity for professionals. MeetOver will help professionals take advantage of this opportunity by growing their network and engaging in conversation with other professionals.

Background Information

Frequent travelers spend most of their travel time unproductively; by browsing the internet and performing routine housekeeping tasks. The majority of these travelers are experienced business professionals who are always looking for ways to build their network. MeetOver aims to target these travelling business professionals by repurposing their wasted time into a productive personal network building experience.

One existing application similar to MeetOver is the Ripple professional network. One key differentiator between MeetOver and Ripple is that MeetOver will allow you to start meeting and talking with other business professionals right away, given that both parties are in the same travel hub. Ripple, on the other hand, requires more advanced planning to coordinate a meetup, and connecting on the network is more emphasized than meeting up in person. Furthermore, Ripple currently has a 1.8 star rating on the App Store. This low rating gives us a great opportunity to get right what Ripple has gotten wrong. Users of Ripple complain that the app felt rushed out, buggy, and unstable. We can get this right by making MeetOver a pleasure to use.

Requirements

Functional Requirements

- As a user, I would like to login to the application using my LinkedIn credentials.
- As a user, I would like to see a list of prospective professionals I could meet in the area.
- As a user, I would like to chat with other professionals using IM.
- As a user, I would like to request MeetOver appointments from professionals near me.
- As a user, I would like to confirm my MeetOver appointment.
- As a user, I would like to fill out my MeetOver profile to best express my expertise.
- As a developer, I would like to use the user's LinkedIn profile to prepopulate their MeetOver profile.
- As a user, I would like to have a push notification if a professional near me that matches my search criteria.

- As a user, I would like to view other MeetOver users in the same travel hub as me on a map.
- As a user, I would like to customize the list of profiles to show only professionals I am interested in meeting using filters.
- As a user, I would like to see the other professional's profile before I choose my MeetOver appointment.
- As a user, I would like to toggle my visibility in the MeetOver network.
- As a user, I would like to confirm that I've met with someone to receive MeetOver points.
- As a user, I would like to view my MeetOver points on my profile.
- As a user, I would like to use MeetOver on Android (for certain) and iOS (time allowing).
- As a user, I would like to a see a score based on the MeetOver appointments I have had using the application.
- As a developer, I would like to use a database system that can be scaled dynamically.
- As a developer, I would like to use an existing framework for the in-app IM feature.
- As a developer, I would like to carry out the matching computation on a cloud server.
- As a developer, I would like to develop a database of user profile criteria that can be used in the matching algorithm.
- As a developer, I would like to track the traffic on the application.
- As a developer, I would like to use a cross platform development tool (React Native).

Non-Functional Requirements

- As a user, I would like my account information to be secure.

  Users of MeetOver will be trusting us with their personal data such as aspects of their LinkedIn profile, including their name, date of birth, places they've worked, and people they know. Furthermore, since MeetOver is a location based application, there will be location data associated with each MeetOver user as well. In order to maintain our users' trust, and to prevent malicious use of the data, MeetOver should operate as securely as possible.

- As a user, I would like to be matched with other professionals quickly.

  Users have come to expect instant gratification when they use mobile applications. Interactions should be as snappy as possible, and users should not have to wait very long for the information they've requested. To meet these expectations, heavy computations such as matching will be done server side. Furthermore, our API will be well structured and organized, and defer work where possible to ensure low latency for each request.

- As a user, I would like my MeetOver matches to give me opportunities to grow my professional network.

  We aim to match users that can engage in topics that spur professional growth. The development team will select criteria (e.g. companies worked at, common keywords in personal descriptions, common LinkedIn connections) that are fed into a k-means

clustering algorithm to create location based clusters for professionals that provide greatest amount of networking value to the user.

● As a developer, I would interaction with the database to be seamless.

Tools like MLab and Firebase provide intuitive UIs that allow for quick and easy to all of the stored data. This is useful for getting a high level view of the data as well as direct database manipulation during testing.

● As a developer, I would MeetOver to be able to scale to handle a large volume of concurrent users.

Since MeetOver is a social network, its relies on many users being able to use the system concurrently. In order to support the usage patterns of a social network, namely peak hours and off hours, MeetOver should be able to easily scale up and down to remain available

● As a developer, I would like to use libraries with adequate documentation.

The application requires use of a real-time database, backend server, front-end mobile application and keeping consistent progress on multiple frameworks can become difficult to manage if one module is not developed at the required pace due to lack of documentation.

● As a developer, I would like a smart scoring algorithm to show users a score based on their appointments. (if time allows)

Scores/points have been shown to be a psychological incentive to keep users engaged into using the application. Scores can be determined by the number of appointments completed by the user, location they have their appointments, app referrals etc. This may promote increased app usage. This feature can also be used to promote restaurants/cafes by offering more points to users that hold appointments in the recommended areas.

● As a user, I would like MeetOver to be a pleasure to use.

Users of the Ripple network have expressed their distaste with the applications design, usability, and user experience. In order to overcome Ripple's position in the market, MeetOver should provide the best user experience possible in order to sharply contrast Ripple's failure to deliver.