

2016 ScB Computer Science: Capstone Abstract

TripShare – Create, Share and Browse Trips

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Title: TripShare – Create, Share and Browse Trips

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Review the webapp at: <http://group34-tripshare.herokuapp.com>

The repository (https://bitbucket.org/jessica_fu_/tripshare) is private but feel free to contact me for more information about the code base.

High-Level Overview:

This browser-based application is in a nutshell, an itinerary planner reliant on a social network of users for content sharing, recommendations and search. Users can create itineraries from day trips such as dates, tours around a city, etc to longer trips such as weekend hikes, road trips, and family vacations. However, unlike other planning applications, the differentiating factor is that this webapp would incorporate search and recommendation capabilities in which users who are not looking to build a trip by themselves can browse through existing itineraries created and rated by other active users.

The social aspect of this application creates a community in which reviews for cities, locations, restaurants, hotels, transportation, and public events can be crowdsourced by millions of people while the annoying aspect of planning an exciting and worthwhile trip for individuals or groups of people becomes much easier as trips are already vetted/reviewed by others.

Feature List:

This outlines some of the key features of the application I have in mind. Not all of this would be feasible in the semester time period and should be flushed out as a team.

1. Itinerary Creation

Create travel plans with a map-based interface where the user would choose locations and order them by date/time. This should also incorporate transportation information between locations in the itinerary. The app could also support the incorporation of events such as concerts, city-wide events, speeches, etc.

2. Search and Recommendation

Users should be able to search for travel plans based on location, date/time, keywords, etc. The app could also offer recommendations of relevant itineraries as users are building their own.

3. Share, Review and Rate

Users should be able to share their itineraries with all users or select users. Travel plans, users, location and transportation can be reviewed and rated publicly.

Use Cases:

The user base can consist of a large range of user (novice and expert) who have a diverse set of interests and goals. The webapp will primarily be marketed as a consumer product, but because of the nature of this travel/planning application, it can also be used by organizations and companies in the space of tourism and travel.

Individual trip planners - Users can plan their own individual trips based on what trips have already been created or create one from scratch. This includes tour guides and travel gurus/freelancers who are experienced travelers wishing to share their itineraries for public exposure. Other use cases that fall under this category include couples planning dates, and individuals looking for a fun day trip.

Group trip planners - People who want to plan trips for groups will be able to share the itinerary with the group and use it as a guidance tool. This includes travel companies, college tour orgs, and tourist organizations who wish to plan trips (short or long) for clients who are new to a city, are on vacation or are touring a college town with their families.

Potential organizational clients such as colleges, tourism organizations need to be contacted for feedback on the app. The team should reach out to local orgs such as Brown, Providence College, and Providence Tours asap.