CIS 550 PROJECT PROPOSAL - MAX SCHEIBER, BRIAN SHI,AND RIGEL SWAVELY

1. Team

Our team members are Max Scheiber (scheiber), Brian Shi (brishi), and Rigel Swavely (rigel).

2. Features, and Division of Responsibility

- **Users** and their login information (will likely use passport.js) and their profiles; **Max**
- **Friendships**, a relation between two users; **Rigel**
- **Destinations**, locations of interest that one can travel to, discuss, and pool multimedia and travel tips; **Max**
- **Trips**, which combine users traveling together and an ordered list of destinations, as well as packing lists and expenses; **Rigel**
- **Links** to outside information, which should be likable and discussable; **Brian**
- **Photos**, associated with a user and (optionally) a destination and/or trip; **Brian**
- **Likes**, associated with photos, destinations, trips, and links; **Max**
- **Comments**, also associated with photos, destinations, trips, and links; **Max**
- **Notifications** for when a friend invites you on a trip or responds to a comment; **Rigel**
- **Privacy settings** on photos / trips / links at various levels of granularity, such as Only Me, Friends, Tripmates, Users, Everyone; **Max**
- **News feed**, generated by a proprietary ranking algorithm, to show you the material that you care about; **Rigel**
- **Hashtags** for user categorization of photos and destinations; **Brian**
- **Yelp integration** for the best restaurants by a given location; **Brian**
- **Bing search** for images relevant to a location; **Rigel**
- **Google Maps integration** for each destination and for an overall trip; **Max**
- **"Well traveled" index**, showing you the breadth and depth of places you've been compared to your friends; **Max**
- **Redis** as a cache in front of Amazon S3 for static content; **Brian**

3. Timeline

- **November 2nd**: basic stack running (Backbone, Express, Oracle)
- **November 6th**: schema via ER diagrams and pseudocode

Date: 10.29.2014.

- **November 10th**: Oracle DDL schema
- **November 16th**: basic web application with user login and profiles, friendships, destinations, and trips
- **November 23rd**: links, photos, likes, comments, notifications, and tags
- **November 30th**: privacy settings, search and news feed algorithm
- **December 7th**: extra credit feature implementation and API integration, if time permits
- **December 14th**: final error checking and polishing, experimental validation and report