**Team 9: Project Charter**

**CS 30700**

**Travelin**

**Team Members**

Aastha Sinha, Dhairya Amin, Kevin Gao, Siddhesh Patil, Stephen Burns, Upmanyu Shrivastava

**Problem Statement**

In these nascent, stressful years of college life, you should find time to relax. In a university like Purdue, finding friends to travel with can be a challenging task, as they may not share the same interests as you. While platforms to plan your trips do exist, namely Penroads and Reddit, these are hard to curate, making it difficult for users to trust the people they find on there. We want to make an app for Purdue students which not only fosters trust but also helps them find travel buddies and plan their next vacation.

**Objectives**

* Create user profiles that will have user preferences and interests
* Compile available flights and hotel bookings in one place for user access.
* Recommend users to those with similar interests via profiles and tag system.
* Recommend travel spots depending on the user’s preferences and interests.
* Implement a trust system that corresponds to the rating that a user received as a travel companion, based on peer reviews.
* Implement communication system allowing for peer-to-peer messaging.

**Stakeholders**

* **Developers:** Aastha Sinha, Dhairya Amin, Kevin Gao, Siddhesh Patil, Stephen Burns, Upmanyu Shrivastava
* **Users:** Students of Purdue University
* **Product Owners:** Aastha Sinha, Dhairya Amin, Kevin Gao, Siddhesh Patil, Stephen Burns, Upmanyu Shrivastava
* **Project Manager:** NanxinJin

**Project Deliverables**

* Java and XML based Android mobile application that acts as a hub for travel planning and searching like-minded users.
* Use travel service APIs (e.g. TripAdvisor and Amadeus) to pull and compile data on travel locations, flights, and hotels.
* Use Realm Mobile Database to manage user profiles as well as recommend locations.
* Use standard AES-256 encryption for user data protection.
* Interface for handling reviews and reporting of other users.