

Project Charter - Team 7

31st August, 2018

Team members: Harika Lingareddy, Simona Virga, Sean Becker, Alexis Williams, Shengqi Wang, Pooja Tewari

Project Coordinator: Yi Sun

Problem Statement:

Planning vacations can be difficult; booking hotels, finding transportation, and discovering landmarks is challenging, especially as a group. Planning gets even more complicated when scheduling a trip with multiple destinations. On top of that, determining the cheapest mode of transportation, accommodation, and activities requires having multiple accounts for different websites each dedicated to finding the lowest prices. Our team plans to develop a web app that simplifies the process of planning and booking a vacation.

Project Objectives:

- Create personalized profiles for each user looking to plan a trip
- Give estimates for transportation time in between different cities
- Find the cheapest and most time-efficient modes of transportation
- Find the cheapest accommodations for the duration of a person's vacation
- Show nearby landmarks and tourist attractions
- Develop an itinerary for users so that they can then download the itinerary and have easy access to it at a later time

Stakeholders:

- **Users:** Any individual looking to save money and alleviate their stress when planning their vacations
- **Developers:** Harika Lingareddy, Simona Virga, Sean Becker, Alexis Williams, Shengqi Wang, Pooja Tewari
- **Project Manager:** Harika Lingareddy
- **Project Owner:** Harika Lingareddy, Simona Virga, Sean Becker, Alexis Williams, Shengqi Wang, Pooja Tewari

Deliverables:

- Web app made with HTML/CSS/Bootstrap and javascript that plans out your transportation options.
- Backend based on Node.js, SQL, Express, etc.
- Utilize MongoDB (or Firebase, MySQL...) and a database management system (DBMS) to store user information.

- A secure login system with password encryption when stored in the database
- Sort route options based on preference (fastest time or specific).
- Utilize docker containers for a lightweight, standalone, and executable image.
- Automate testing frameworks using Jenkins.