TripEase
Journeys made simpler

❖ TEAM 9

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❖ PROBLEM STATEMENT

Trips are fun, till you get confused about where to stay, what to eat and what to do. Why not have an interactive web-service do it for you?
TripEase can help you find the best restaurants to tingle your palette, and comfortable hotels to relax in along with an array of popular activities nearby that you can indulge in, without worrying too much about your pocket. You can choose your destination and get all the information you want regarding that place at this one-stop web-service.

❖ PROJECT OBJECTIVES

→ Run a web based application.
→ Allow the user to select the place he wants to visit.
→ Ask the budget of the trip, and suggest affordable plans
→ Application will come up with the top rated restaurants/hotels in that area
→ Application will also show the list of all fun activities and tourist attractions, according to the clients' preferences.
→ The application will use an algorithm to match customers with hotels which takes into account various factors like budget, personal interest in activities, distance from home, walking distance to points of interest, etc.
→ The application will also have a feature that would group together solo travellers who want to merge with other such travellers.
→ The application will allow such solo travellers to communicate with each other using an email service.

Our program, essentially, will run as a web based application which a customer can use to plan all future trips and will allow the user to select the place he wants to visit and also allocate the budget for the trip. Based on these inputs the application will come up with the top rated restaurants/hotels in that area and also show a list of all fun activities which can be performed in/near that area. Our application will also have one special feature, where it will load a set of restaurants specific to the dietary requirements set by the user. Also, the

application will group together solo travellers who want to travel as a group according to their needs and interests.

❖ STAKEHOLDERS
- ➔ Customers that want to plan a trip using our application
- ➔ Hotels, restaurants, etc. that want to partner with us
- ➔ Developing Team
- ➔ Project Owners

❖ DELIVERABLES
- ➔ The web based application will be a platform where:
  - ◆ The customer will be able to choose a city to visit and get location details regarding it.
  - ◆ The customer will be able to choose a budget for their trip and get a planner so that they can stay in their budget limits
  - ◆ A set of rated/reviewed hotels according to their budget will be listed
  - ◆ Factors such as personal interest in activities, distance from home, walking distance to points of interest, etc. will also be considered while displaying the set of hotels
  - ◆ A list restaurant options for all dietary requirements will be displayed
  - ◆ A list of activities/attractions in the city/cities will be listed
  - ◆ People with similar interests and travel plans will be linked, so that they can reach out to each other or form travel groups.

- ➔ Our front end will be built on Javascript, HTML, CSS, and Twitter Bootstrap to have a clean, responsive interface for both desktop and mobile users alike.
- ➔ For our backend, a restful service backed by a SQL database, with a focus on modularity for ease of development and testing of individual services.
- ➔ Our service will also integrate with various existing online travel agencies in order to gather corresponding data and provide our customers with the best value possible.