A. **Team:** Monte Anderson, Nolan Cretney, Nathan Carmine, Jackson Mediavilla

B. **Title:** Hotel Reservation System

C. **Description:** Using a database from online about hotel rates, locations, and possibly airline fair, we will create something like a mock version of Travelocity or Trivago. We will grab from the database, and use different classes to get details about the locations, accommodations, number of rooms vacant, etc. The users will have to sign up before using this service.

D. **Actors:** We will want to create a User actor, but with two different sub-user types. We will want to create the **SearchingUser** actor, who will be someone who is looking to book a room at some location. We will also want to create the **BookedUser**, who will be someone who has already booked a vacation. This user will be able to change rooms or cancel their booking. We will also create an **Administrator** actor, who can change website rates/user information.

E. **Functionality:**
   - Customers can sign up
   - Customers can reserve rooms for X number of days.
     - System to calculate total rates over days, apply deals, etc.
   - Customers can choose how to pay (Credit Card, cash, etc)
   - Customers can only make one reservation at a time, but can go back and change it.
   - Customer able to compare multiple hotels side by side.
   - Customer can see the hotel amenities (pools, rec center, etc)
   - Administrator can change user information or database/site information.
   - Administrator can search for users to edit information.
   - Customer/Admin able to search through a list of hotels by name.
   - Customer/Admin are able to do compounded searching/sorting (ie, looking in San Diego, but sorting by price)
   - Creating a functional UI for the user to navigate easily.

   [EXTRA]
   - Show the weather during the reservation stay.
   - Show the activities to do around the hotel (like tourist sites).