**Use Case 1: Trip from Paris**

**Summary:** Starting from Paris the traveler will select the amount of cities they wish to visit.

* **Actor**: Prospective Traveler
* **Precondition**: Program is idle and displaying message to enter amount of cities for the route.
* **Description**:
  + Traveler enters amount of cities they wish to travel to
  + If proper number program excepts it
  + Program will prompt user to buy food
  + Program will calculate shortest route between the number of cities chosen
  + Shortest route between all cities and food items bout is displayed
* **Post condition**: Route has been created and is being displayed to the prospective traveler

**Use Case 2: Custom European Trip**

**Summary:** Starting from a city listed, the prospective Traveler can create a custom trip with which ever cities they choose

* **Actor**: Prospective Traveler
* **Precondition**: Program is idle and displaying message to select cities for the trip.
* **Description**:
  + Traveler enters starting city
  + If valid city then list of further cities is displayed
  + Program will display and ask if the prospective traveler would wish to buy food or add more cities to their trip.
  + Prospective traveler will be asked to confirm city selection.
  + After every city added Program will display and ask to add another city, food item, or to finish the route.
  + If trip is finished, Program will calculate shortest route between the number of cities chosen
  + Shortest route between all cities and food items bout is displayed
* **Post condition**: Route has been created and is being displayed to the prospective traveler

**Use Case 3: Admin Editing database**

**Summary:** After logging in the admin will be able to edit the database of cities and food items

* **Actor**: Admin
* **Precondition**: Program is idle and awaiting admin to select entry to edit in the database.
* **Description**:
  + Program displays entries to be edited and deleted, or prompts admin to create a new entry
  + If entry is to be edited, program will prompt which data to be changed
  + City name, food prices, can be changed for an entry.
  + If a new entry is created Program will prompt admin to add a Name and food items.
  + If an entry is to be deleted program prompts to enter the name of the city to be deleted
  + After all edits are made the database is saved upon exiting the admin menu
* **Post condition**: Database has been successfully updated by the admin.