Use Cases Team 11 : Memory Leak

1. Create a Custom Plan

- a. Summary: Client selects a starting city and a list of other cities to travel to
 - i. Actor: Potential European Traveler
 - ii. Precondition: List of cities are available for client to choose from
 - iii. Description:
 - 1. Client clicks "File" in menu bar and selects "Load" to load the cities
 - 2. Client selects a starting city
 - 3. Client clicks "Create Plan" button which shows a list of cities to choose from
 - 4. Client selects from 0 11/13 cities, clicks "Generate" button
 - 5. The most efficient plan is displayed on the right.
 - 6. The Client clicks "Start Trip" and new window is displayed.
 - 7. On new window, the starting city's name is displayed at the top and the Client is allowed to choose from a list of foods available at the city.
 - 8. Client clicks "Next" to visit next closest city and repeats step 3. And 4. until the trip is done which opens a new window.
 - 9. On the new window, receipt of all bought foods are displayed along with total cost from each city and total distance traveled.
 - iv. Post Condition: The client has finished the custom trip

2. Plan a Trip from Berlin to the rest of available cities

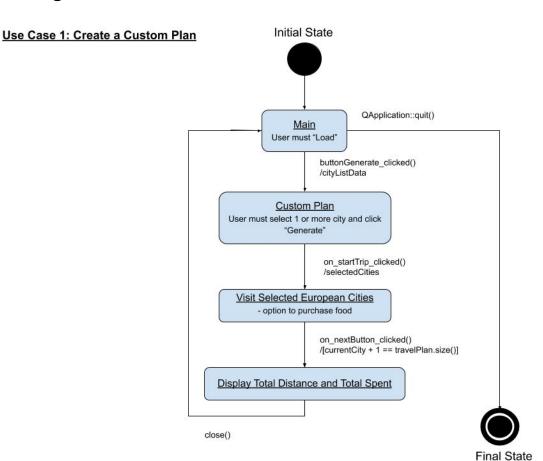
- a. Summary: Client travels from "Berlin" and travels to the rest of cities in the most efficient order
 - i. Actor: Musician Tour Manager
 - ii. Precondition: Without specific user-selection of which cities, the program can organize the most efficient travel plan with all cities
 - iii. Description:
 - 1. Client clicks "File" in menu bar and selects "Load" to load the cities
 - 2. Client clicks "Berlin Travel" button which displays the optimized travel plan and opens a new window.
 - On new window, the starting city's name is displayed at the top and the Client is allowed to choose from a list of foods available at the city.
 - 4. Client clicks "Next" to visit next closest city and repeats step 3. And 4. until the trip is done which opens a new window.
 - 5. On the new window, receipt of all bought foods are displayed along with total cost from each city and total distance traveled.
 - iv. Post Condition: The client has finished a trip from "Berlin" to the rest of other cities.

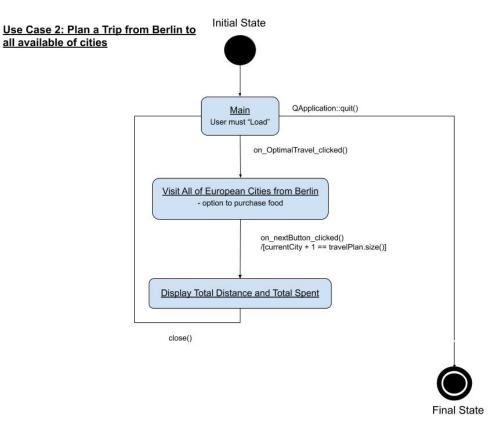
3. Plan a Trip from Paris to a selected number of cities

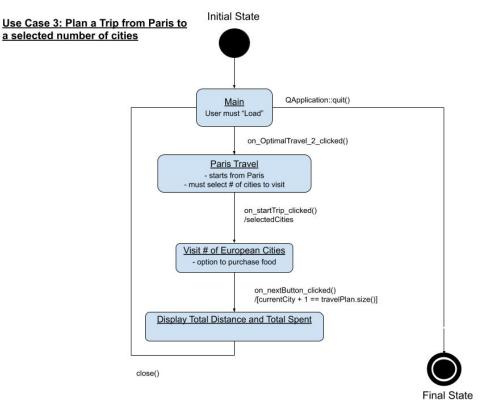
- a. Summary: Client travels from "Paris" and travels to a desired number of cities in the most efficient order
 - i. Actor: European Travel Agent

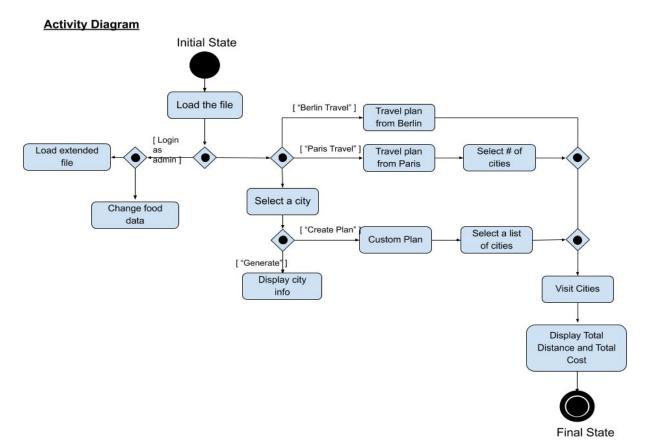
- ii. Precondition: Without specific user-selection of which cities, the program can determine a plan a shortest trip based on the given number of cities
- iii. Description:
 - 1. Client clicks "File" in menu bar and selects "Load" to load the cities
 - 2. Client clicks "Paris Travel" button which displays the optimized travel plan and opens a new window.
 - 3. Client from 0 total number of available cities, clicks "Generate" button
 - 4. The most efficient plan is displayed on the right.
 - 5. The Client clicks "Start Trip" and new window is displayed.
 - 6. On new window, the starting city's name is displayed at the top and the Client is allowed to choose from a list of foods available at the city.
 - 7. Client clicks "Next" to visit next closest city and repeats step 3. And 4. until the trip is done which opens a new window.
 - 8. On the new window, receipt of all bought foods are displayed along with total cost from each city and total distance traveled.
- iv. Post Condition: The client has finished a trip from "Paris" to the rest of other cities.

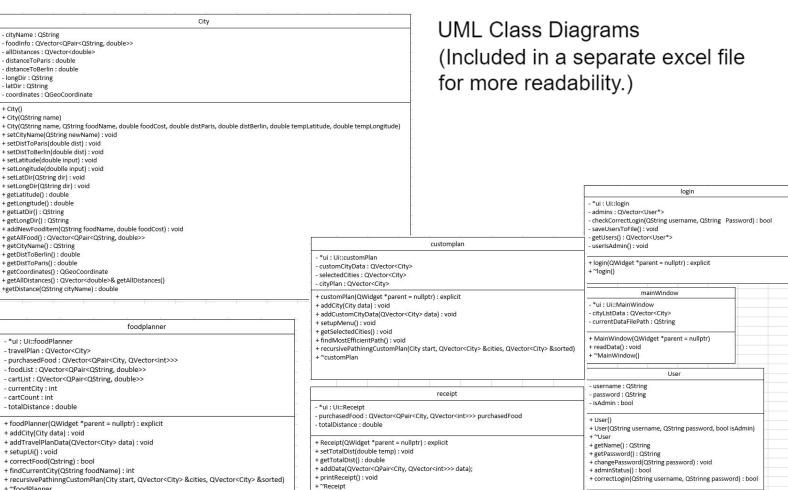
State Diagrams











+ ~foodPlanner