Use Case 1

Name

Querying current weather conditions with a valid United States ZIP code on the initial application execution

Goal

The user would like to use the application for the first time after installing to query the current weather conditions for the location at a valid United States ZIP code.

Actors

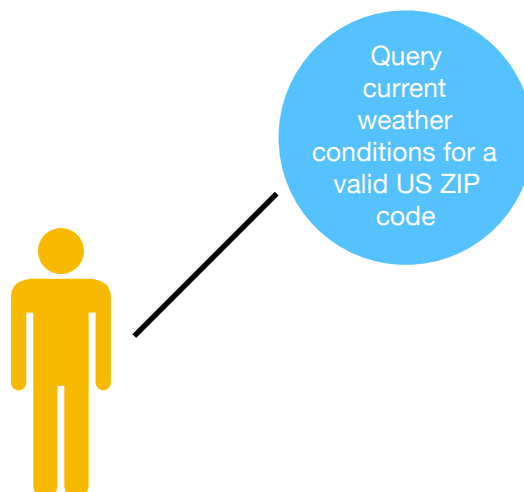Android phone users who are only interested in weather in the United States

Pre-conditions

• The user has a valid United States ZIP code of the location for which they would like to query the weather conditions for.
• The user has the application installed on a device with active Internet connectivity.

Steps

1. The user opens the application for the first time after installing, arriving on the main screen.
2. The user taps on the input box for ZIP code entry.
3. The user enters the 5-digit United States ZIP code for the location for which they would like to query the current weather conditions for.
4. The user taps on the "Go" button on the right side of the input box.
5. The application loads and displays the current weather conditions for the user's ZIP code.

Post-conditions

• The user will be taken to the current weather conditions view and be able to see the current weather conditions for the ZIP code, which would be populated with city/state name, temperature, humidity, wind speed, etc.
• The application will save the user's ZIP code in its persistent data for quick retrieval on subsequent runs.

Use Case 2

Name

Querying current weather conditions with a properly-formatted but non-existent United States ZIP code on a subsequent application execution

Goal

The user would like to use the application again after having used it before to query the current weather conditions for the location at a properly-formatted (5-digit) but non-existent United States ZIP code.

Actors

Android phone users who are only interested in weather in the United States

Pre-conditions

• The user has a properly-formatted (5-digit) but non-existent United States ZIP code of the location for which they would like to query the weather conditions for.
• The user has the application installed on a device with active Internet connectivity.

Steps

1. The user opens the application for the first time after installing, arriving on the main screen.
2. The user taps on the input box for ZIP code entry.
3. The user enters the non-existent 5-digit United States ZIP code for the location for which they would like to query the current weather conditions for.
4. The user taps on the "Go" button on the right side of the input box.
5. The application displays an error message indicating that the user's ZIP code was invalid.

Post-conditions

• The user will be taken to the current weather conditions view and be presented with a message indicating that the ZIP code they provided was invalid.
• The application will **not** save the user's ZIP code in its persistent data for quick retrieval on subsequent runs.

Query current weather conditions for an invalid US ZIP code