

Feature 1: Filter Events By City

User Story: As a user, it would be nice to be able to filter events by city so that I can see the events that take place from certain cities.

- Scenario 1: When user hasn't searched for a city. Show upcoming events from all cities.
 - o Given: user hasn't searched for any city
 - o When: the user opens the app
 - o Then: the user should see a list of all upcoming events.
- Scenario 2: User should see a list of suggestions when they search for a city.
 - o Given: the main page is open
 - o When: the user opens the app
 - o Then: the user should see a list of all upcoming events
- Scenario 3: User can select a city from the suggested list
 - o Given: the user was typing "Berlin" in the city textbox and the list of suggested cities is showing
 - o When: the user selects a city (e.g., "Berlin, Germany") from the list
 - o Then: their city should be changed to that city (i.e., Berlin, Germany) and the user should receive a list of upcoming events in that city

Feature 2: Show/Hide an Event's Details

- Scenario 1: an event element is collapsed by default
 - o Given: a user is on the homepage
 - o When: the user searches for events
 - o Then: the events displayed on the page are collapsed by default
- Scenario 2: User can expand an event to its details
 - o Given: a user is on the homepage and the events are collapsed by default
 - o When: the user clicks on an event
 - o Then: the details of the event are expanded
- Scenario 3: User can collapse an event to hide its details
 - o Given: a user is on the homepage and the details of an event are expanded
 - o When: the user clicks on the collapse button for that event
 - o Then: the details of the event are collapsed

Feature 3: Specify Number of Events

- Scenario 1: when user hasn't specified a number, 32 is the default number
 - o Given: a user is on the homepage and the user has not specified the number of events to be displayed
 - o When: the events are displayed on the page
 - o Then: the default number of events displayed is 32
- Scenario 2: User can change the number of events they want to see
 - o Given: a user is on the homepage and the user has specified the number of events to be displayed
 - o When: the events are displayed on the page
 - o Then: the number of events displayed is equal to the number specified by the user

Feature 4: Use the App When Offline

- Scenario 1: show cached data when there's no internet connection
 - Given: a user has previously used the app and cached data is available
 - When: the user goes offline
 - Then: the cached data is displayed on the app
- Scenario 2: Show error when user changes the settings (city, time, range)
 - Given: a user is using the app offline and the user changes the settings (city, time, range)
 - When: the app tries to retrieve the updated data
 - Then: an error message is displayed indicating that the app requires an internet connection

Feature 5: Data Visualization

- Scenario 1: show a chart with the number of upcoming events in each city
 - Given: a user is on the homepage and there are upcoming events in multiple cities
 - When: the user clicks on the "Data Visualization" button
 - Then: a chart is displayed showed the number of upcoming events in each city.