TEST-DRIVEN DEVELOPMENT & TEST SCENARIOS

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2020

FEATURE 1: FILTER EVENTS BY CITY

Scenario 1: *When user hasn't searched for a city, show upcoming events based on the user's location by default.*

User story: As a user, I should be able to see events in my area by default, so that I don't have to manually search for it.

Gherkin:

- **Given** user hasn't searched for any city
- **When** the user opens the app
- **Then** the user should see the list of upcoming events from their location

Scenario 2: *User should see a list of suggestions when they search for a city.*

User story: As a user, I should be able to "filter events by city", so that I can see the list of events that take place in that city.

Gherkin:

- **Given** the main page is open
- **When** user starts typing in the city textbox
- **Then** the user should receive a list of cities (suggestions) that match what they've typed

Scenario 3: *User can select a city from the suggested list.*

User story: As a user, I should be able to choose the city, so I only see the location I'm interested in.

Gherkin:

- **Given** user is typing "Munich" in the city textbox and the list of suggested cities is showing
- **When** the user selects a city (e.g., "Munich, Germany") from the list
- **Then** their city should be changed to that city (i.e., "Munich, 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*

User story: As a user, I should be able to see a simple list by default, so that my screen is not filled with an information overload.

Gherkin:

- **Given** the user has entered the name of a city

- **When** the user sees the list of events

- **Then** the details are hidden by default

Scenario 2: *User can expand an event to see its details*

User story: As a user, I should be able to access more details about an event only if I choose to, so that I can see if I'm interested in it.

Gherkin:

- **Given** the user is looking at the list of events in their area of choice

- **When** the user clicks on a certain event

- **Then** the details of it become visible (event expanded)

Scenario 3: *User can collapse an event to hide its details*

User story: As a user, I should be able to hide details I don't currently need, so they don't clutter my screen/interface.

Gherkin:

- **Given** the user has read the details of a certain event and wants to see only a default list of events

- **When** the user clicks on a certain event/button

- **Then** the details of it become hidden (event collapsed)

FEATURE 3: SPECIFY NUMBER OF EVENTS

Scenario 1: *When user hasn't specified a number, 32 is the default number*

User story: As a user, I should be able to see a certain number of events by default, so I don't need to specify it manually.

Gherkin:

- **Given** the user hasn't manually specified the number of events loaded

- **When** the user sees the list of events in their area

- **Then** 32 events will be shown by default

Scenario 2: *User can change the number of events they want to see on their screen*

User story: As a user, I should be able to change the number of events listed, so I can decide how many items I want to see.

Gherkin:

- **Given** the user wants to see fewer/more events in the list

- **When** the user inputs a different number

- **Then** the specified number of events will be listed

FEATURE 4: USE THE APP WHEN OFFLINE

Scenario 1: *Show cached data when there's no internet connection*

User story: As a user, I should be able to use the app with cached data, so I can still see events I'm interested in even if I am not connected to the internet at that moment.

Gherkin:

- **Given** the user has no internet connection

- **When** the user opens the app

- **Then** the app runs on cached data the user has viewed previously

Scenario 2: *Show error when user changes the settings (city, time range)*

User story: As a user, I should be informed that I can't change settings in offline mode, so I know that I might not be seeing the most recent data without internet connection.

Gherkin:

- **Given** the user doesn't have an internet connection

- **When** the user changes the settings

- **Then** an error message informs the user about the lack of internet connection

FEATURE 5: DATA VISUALIZATION

Scenario: *Show a chart with the number of events coming up over the next 7 days*

User story: As a user, I should be able to view a chart displaying the number of events in the upcoming 7 days, so I can plan my schedule effectively.

Gherkin:

- **Given** the user has chosen a certain area

- **When** the user navigates to the chart

- **Then** the app returns a chart with the number of upcoming events in the next 7 days