BLOOMTEQ TIMETRACKER TEST SCENARIOS:

1. User Registration

- **Scenario 1.1:** User registers with valid details (name, username, password).
  - Expected Outcome: User is successfully registered.
- **Scenario 1.2:** User tries to register with an already existing username
  - Expected Outcome: Error message displayed (Username taken!").
- **Scenario 1.3:** User tries to register with a password that does not meet the required security criteria.
  - Expected Outcome: Error message displayed ("Password must be between 8 and 20 characters, with at least one capital letter and one non alphanumeric character. ").
- **Scenario 1.4:** User tries to register with a name or username that does not meet the requirements.
  - Expected Outcome: Error message displayed ("Name/Username can not exceed 20 characters." / "Name/Username can not be empty")

2. User Login

- **Scenario 2.1:** User logs in with valid credentials (username, password).
  - Expected Outcome: User is logged in successfully and redirected to the app, JWT is generated and saved into localStorage.
- **Scenario 2.2:** User tries to log in with incorrect username or password.
  - Expected Outcome: Error message displayed ("Login unsuccessful!").

3. Viewing Entries (Grid of Entries)

- **Scenario 3.1:** User successfully logs in and accesses their grid of entries.
  - Expected Outcome: User sees only their entries in the grid, with correct data (date, hours worked, description).
- **Scenario 3.2:** User tries to access the app without authorization (invalid JWT).
  - Expected Outcome: Redirected to the login page.

4. Insert New Entry

- **Scenario 4.1:** User enters valid data (hours worked, date, description) for a new entry.
  - Expected Outcome: New entry is added to the grid and saved in the database, pop-up message displayed ("ENTRY INSERTED!").
- **Scenario 4.2:** User tries to insert a new entry with an invalid date format.
  - Expected Outcome: Error message displayed ("Invalid date format.").
- **Scenario 4.3:** User tries to insert a new entry with a future date.
  - Expected Outcome: Error message displayed ("You can not add entries for future dates.").

- **Scenario 4.4:** User tries to insert a new entry with invalid working hours format.
  - ○ Expected Outcome: Error message displayed (" You can add from 1 to 8 hours in a single entry.").
- **Scenario 4.5:** User tries to insert an entry with invalid description.
  - ○ Expected Outcome: Error message displayed (" Description must be between 1 and 100 characters.").

5. Edit Existing Entry

- **Scenario 5.1:** User successfully edits and existing entry. (hours worked, description or date).
  - ○ Expected Outcome: The entry is updated and changes are reflected in the grid, pop-up message displayed ("ENTRY SAVED!").
- **Scenario 5.2:** User tries to edit an existing entry with an invalid date format.
  - ○ Expected Outcome: Error message displayed ("Invalid date format").
- **Scenario 5.3:** User tries to edit an existing entry with a future date.
  - ○ Expected Outcome: Error message displayed ("You can not add entries for future dates.").
- **Scenario 5.4:** User tries edit an existing entry with invalid working hours format.
  - ○ Expected Outcome: Error message displayed (" You can add from 1 to 8 hours in a single entry.").
- **Scenario 5.5:** User tries edit an existing entry with invalid description.
  - ○ Expected Outcome: Error message displayed (" Description must be between 1 and 100 characters.").

6. Remove Existing Entry

- **Scenario 6.1:** User successfully removes an entry from the grid.
  - ○ Expected Outcome: Entry is deleted from the grid and removed from the database, pop-up message displayed ("ENTRY DELETED!").

7. JWT Token Handling

- **Scenario 7.1:** User's JWT token expires, and they attempt to perform actions (view or edit)
  - ○ Expected Outcome: User is logged out and redirected to the login page.
- **Scenario 7.2:** User manually clears / tampers the JWT token from localStorage and attempts to access protected routes.
  - ○ Expected Outcome: User is redirected to the login page.

8. UI Responsiveness

- **Scenario 8.1:** User accesses the app on a mobile device.
  - ○ Expected Outcome: App layout adjusts appropriately for small screens (responsive design).

- **Scenario 8.2:** User accesses the app on a large desktop screen.
  - Expected Outcome: App layout displays optimally for larger screens.

9. Performance

- **Scenario 9.1:** User opens the grid component, to load entries.
  - Expected Outcome: Only 10 entries (first page) are loaded from the API.
- **Scenario 9.2:** User changes the page of the grid.
  - Expected Outcome: Only 10 entries from that page are loaded from the API.
- **Scenario 9.3:** User performs actions (insert/edit/remove) on entries.
  - Expected Outcome: Actions should be performed with no delay.