

Manual Test Cases

These are the manual test cases identified that cover the CRUD operations on the Trello board, as well as general test cases and includes both **Positive** and **Negative** cases for both Frontend and Backend Testing.

General Test Cases:

Positive

- **Given** a user has a Trello Account
When the user attempts to login to the Trello Website using **valid credentials**
Then the user should be logged in successfully
And be able to view all boards the user has created and has been assigned to
- **Given** a user has a **valid Trello API Key and Token**
When the user attempts to hit the Trello API
Then a valid Response is returned without errors

Negative

- **Given** a user that does not have a Trello Account
When the user attempts to login to the Trello Website using **invalid credentials**
Then the user will not be able to log in
And will receive an error message stating that their credentials does not have an account
- **Given** a user does not have a valid Trello API Key and Token
When the user attempts to hit the Trello API with **invalid API Key and Token**
Then an a Unauthorized status and Error message is shown

Create/POST Test Cases:

Positive

- **Given** a user with a Trello Account logs in successfully
When the user attempts to create a **new board**
Then the board should be created successfully
And the user is able to access and view the new board
- **Given** a user with a Trello Account logs in successfully
When the user navigates to a board they have access to
And the user attempts to create a **new List** within a list on the board
Then the List should be created successfully in the board
- **Given** a user with a Trello Account logs in successfully
When the user navigates to a board they have access to
And the user attempts to create a **new Card** within a list on the board
Then the Card should be created successfully in its specific list

Negative

- **Given** a user with a Trello Account logs in successfully
When the user attempts to create a new board **without a name**
Then the user receives a validation message
And the board does not get created
- **Given** a user has a Trello API key and token
When the user attempts to create a new board with an **invalid name** through the API
Then a Bad Request status and Error response is shown
And the board does not get created

Read/GET Test Cases:

Positive

- **Given** a user with a Trello Account logs in successfully
When the user attempts to view **all boards** they have access to
Then the user is be able to access and view the assigned boards
- **Given** a user with a Trello Account logs in successfully
When the user attempts to view a **specific board** they have access to
Then the user is be able to access and view the specific board
- **Given** a user with a Trello Account logs in successfully
When the user attempts to view **all lists** on an existing board
Then the user is able to view all lists on selected board
- **Given** a user with a Trello Account logs in successfully
When the user attempts to view **all cards** on a valid list
Then the user is able to view all Cards on selected board/list

Negative

- **Given** a user with a Trello Account logs in successfully
When the user attempts to search for a board they **do not have access** to
Then the user is unable to view and access the specific board
- **Given** a user has a Trello API key and invalid token
When the user attempts to retrieve a board through the API with an **invalid token**
Then a Unauthorized status and Error response is shown
And the board does not get returned in the response
- **Given** a user has a Trello API key and token
When the user attempts to retrieve a board through the API with an **invalid board id**
Then a Bad Request status and Invalid Id response is shown
And the board does not get returned in the response

Update/PUT Test Cases:

Positive

- **Given** a user with a Trello Account logs in successfully
When the user attempts to **update an existing board** they have access to
Then the user is be able to access and update the specific board values
And the board will be successfully updated with the new values
- **Given** a user with a Trello Account logs in successfully
When the user attempts to **update an existing list** on a valid board
Then the user is be able to access and update the specific list values
And the list will be successfully updated with the new values
- **Given** a user with a Trello Account logs in successfully
When the user attempts to **update an existing cards** on a valid list
Then the user is be able to access and update the specific card values
And the card will be successfully updated with the new values
- **Given** a user with a valid Trello API Key and Token
When the user attempts to **update an existing board** they have access to through the API
Then the user is be able to perform a PUT request and update the specific board values
And the board will be successfully updated with the new values

Negative

- **Given** a user with a Trello Account logs in successfully
When the user attempts to search for a board they **do not have access** to
Then the user is unable to view and update the specific board
- **Given** a user has a Trello API key and invalid token
When the user attempts to update a board through the API with an **invalid Board ID**
Then a Unauthorized status and Error response is shown
And the board does not get updated

Delete Test Cases:

Positive

- **Given** a user with a Trello Account logs in successfully
When the user attempts to create a **new board**
And the board should be created successfully
And the user is able to access and view the new board
Then the user attempts to close and **delete the newly created board**
And the user confirms that the board no longer exists
- **Given** a user with a Trello Account logs in successfully
When the user attempts to create a **new list** on an existing board
And the list should be created successfully
And the user is able to access and view the new list
Then the user attempts to close and **delete the newly created list**
And the user confirms that the list no longer exists
- **Given** a user with a Trello Account logs in successfully
When the user attempts to create a **new Card** on an existing board/list
And the card should be created successfully
And the user is able to access and view the new card
Then the user attempts to close and **delete the newly created card**
And the user confirms that the card no longer exists

Negative

- **Given** a user with a Trello Account logs in successfully
When the user attempts to search for a board they **do not have access** to
Then the user is unable to view and delete the specific board
- **Given** a user has a Trello API key and token
When the user attempts to retrieve a board through the API with an **invalid board id**
Then a Bad Request status and Invalid Id response is shown
And the board does not get deleted