

High level scenarios:

Create, Update, and Delete Boards:

- **Create a board with a valid name:**
 - **Input:** Valid board name
 - **Expected Output:** Board created successfully
- **Create a board with an invalid name: (bug)**
 - **Input:** Invalid board name (e.g., empty string, special characters)
 - **Expected Output:** Error message indicating invalid board name
- **Update a board's name:**
 - **Input:** Valid board ID and new board name
 - **Expected Output:** Board updated successfully
- **Update a board's description:**
 - **Input:** Valid board ID and new description
 - **Expected Output:** Board updated successfully
- **Delete a board:**
 - **Input:** Valid board ID
 - **Expected Output:** Board deleted successfully
- **Attempt to delete a non-existent board:**
 - **Input:** Invalid board ID
 - **Expected Output:** Error message indicating board not found
- **Attempt to create duplicate board:**
 - **Input:** already existed Board name
 - **Expected output:** Error message indicating board is already found

Add and Remove Members from Boards

- **Add a member to a board:**
 - **Input: Valid board ID and member ID**
 - **Expected Output: Member added successfully**
- **Remove a member from a board:**
 - **Input: Valid board ID and member ID**
 - **Expected Output: Member removed successfully**
- **Attempt to remove a non-existent member:**
 - **Input: Valid board ID and invalid member ID**
 - **Expected Output: Error message indicating member not found**

Get Board Members, Lists, and Cards

- **Get board members:**
 - **Input: Valid board ID**
 - **Expected Output: List of board members**
- **Get board lists:**
 - **Input: Valid board ID**
 - **Expected Output: List of board lists**
- **Get board card:**
 - **Input: Valid board ID**
 - **Expected Output: List of board cards**

Create a Card

- **Valid Card Name:**
 - Input: Valid card name
 - Expected Output: Card created successfully
- **Invalid Card Name:**
 - Input: Empty card name
 - Expected Output: Error message indicating invalid card name
- **Update a Card with a Description :**
 - Input: Valid card name and description
 - Expected Output: Card created with description

Get a Card

- **Valid Card ID:**
 - Input: Valid card ID
 - Expected Output: Card details returned successfully
- **Invalid Card ID:**
 - Input: Invalid card ID
 - Expected Output: Error message indicating card not found

Update a Card

- **Update Card Name:**
 - Input: Valid card ID and new card name
 - Expected Output: Card updated successfully
- **Update Card Due Date:**
 - Input: Valid card ID and new due date
 - Expected Output: Card updated successfully

Delete a Card

- **Valid Card ID:**
 - Input: Valid card ID
 - Expected Output: Card deleted successfully
- **Invalid Card ID:**
 - Input: Invalid card ID
 - Expected Output: Error message indicating card not found

Create Attachment on Card

- **Valid Card ID and Attachment:**
 - Input: Valid card ID and attachment file
 - Expected Output: Attachment created successfully
- **Invalid Card ID:**
 - Input: Invalid card ID and attachment file
 - Expected Output: Error message indicating card not found
- **Invalid Attachment Format:**
 - Input: Valid card ID and invalid attachment format
 - Expected Output: Error message indicating invalid attachment format

Delete Attachment on Card

- **Valid Card ID and Attachment ID:**
 - Input: Valid card ID and attachment ID
 - Expected Output: Attachment deleted successfully
- **Invalid Card ID or Attachment ID:**
 - Input: Invalid card ID or attachment ID
 - Expected Output: Error message indicating resource not found

Add a Comment to a Card

- **Valid Card ID and Comment:**

- Input: Valid card ID and comment text
- Expected Output: Comment added successfully

Create Checklist on a Card

- **Valid Card ID and Checklist Name:**
 - Input: Valid card ID and checklist name
 - Expected Output: Checklist created successfully

Create a List on a Board

- **Valid Input:**
 - Create a list with a valid name and board ID.
 - Verify that the list is created successfully and returned in the response.

Get Lists on a Board

- **Valid Board ID:**
 - Fetch lists for a valid board ID.
 - Verify that the returned list includes all the expected properties (e.g., ID, name, position).
- **Invalid Board ID:**
 - Attempt to fetch lists for an invalid board ID.
 - Verify that the API returns an appropriate error message.

Update a List

- **Valid Input:**
 - Update the name or position of a list.
 - Verify that the updated list is returned in the response.

Archive all Cards in List

- **Valid List ID:**
 - Archive all cards in a valid list.
 - Verify that the cards are marked as archived and the list remains unchanged.

Archive or unarchive a list

- **Valid List ID:**
 - Archive a list and then unarchive it.
 - Verify that the list's archived status changes accordingly.

Create a Label on a Board

- **Valid Input:**
 - Create a label with a valid name, color, and board ID.
 - Verify that the label is created successfully and returned in the response.

Get Labels on a Board

- **Valid Board ID:**
 - Fetch labels for a valid board ID.
 - Verify that the returned list includes all the expected properties (e.g., ID, name, color).

Update a Label

- **Valid Input:**
 - Update the name, color, or position of a label.
 - Verify that the updated label is returned in the response.

Delete a Label

- **Valid Label ID:**
 - Delete a valid label.
 - Verify that the label is no longer returned when fetching labels for the board.

Search for Members

- **Valid Search Query:**
 - Search for members using a valid search term (e.g., name, username, email).
 - Verify that the returned results include members that match the search criteria.

Get a Member

- **Valid Member ID:**
 - Retrieve a member using a valid member ID.
 - Verify that the returned member object contains the expected properties (e.g., ID, name, username, email).

Create Star for Board

- **Valid Input:**
 - Create a star for a board with a valid member ID and board ID.
 - Verify that the star is created successfully and returned in the response.

Get a boardStar of Member

- **Valid Member ID and Board ID:**
 - Retrieve a member's star status for a specific board.
 - Verify that the returned value indicates whether the member is following the board.

Delete Star for Board

- **Valid Member ID and Board ID:**
 - Delete a star for a board.
 - Verify that the member is no longer following the board.

num	fail
1	Attempt to create duplicate board
2	Invalid Attachment Format