Trello API

Test Plan Identification

- **Project Name:** Trello API Testing

- **Version:** 1.0

- **Test Lead:** Radwa sayed

- **Test Team:** Radwa sayed

- **Start Date:** 9/14/2024

- **End Date:** 10/13/2024

Test Items

- ### API Endpoints:

  ### Boards

  - **Create a board:** `POST /boards`
  - **Get a board:** `GET /boards/{boardId}`
  - **Update a board:** `PUT /boards/{boardId}`
  - **Delete a board:** `DELETE /boards/{boardId}`
  - **Get board members:** `GET /boards/{boardId}/members`
  - **Invite a member to a board via email:** `POST /boards/{boardId}/members/{memberId}`
  - **Remove a member from a board:** `DELETE /boards/{boardId}/members/{memberId}`

  ### Lists

  - **Create a list:** `POST /boards/{boardId}/lists`
  - **Get a list:** `GET /lists/{listId}`
  - **Update a list:** `PUT /lists/{listId}`
  - **Archive all Cards in List:** `Post/lists/{id}/archiveAllCards`
  - **Archive or unarchive a list:** `PUT/lists/{id}/closed`

  ### Cards

  - **Create a card:** `POST /cards`
  - **Get a card:** `GET /cards/{cardId}`
  - **Update a card:** `PUT /cards/{cardId}`
  - **Delete a card:** `DELETE /cards/{cardId}`

- **Add an attachment to a card:** POST /cards/{cardId}/attachments
- **Create Checklist on a Card:** POST/cards/{id}/checklists

Members

- **Get a member:** GET /members/{memberId}
- **Create Star for Board:** POST/members/{id}/boardStars
- **Get a boardStar of Member:** GET/members/{id}/boardStars/{idStar}
- **Delete Star for Board:** DEL/members/{id}/boardStars/{idStar}

Labels

- **Create a label:** POST /boards/{boardId}/labels
- **Get a label:** GET /labels/{labelId}
- **Update a label:** PUT /labels/{labelId}
- **Delete a label:** DELETE /labels/{labelId}

Search

- **Search Trello:** GET/search
- **Search for Members:** GET/search/members/

Notification
- **Mark all Notifications as read:** POST/notifications/all/read

- **Features:**

  - **Boards**

    - Create, update, and delete boards

    - Add and remove members from boards

    - Manage board settings (e.g., privacy, background)

    - Get board members, lists, and cards

    - Search for boards

  - **Lists**

    - Create, update, and delete lists

    - Archive and unarchive lists

    - Move cards between lists

    - Get list cards

- **Cards**
  - Create, update, and delete cards
  - Add and remove labels and attachments
  - Move cards between lists
  - Add checklists to cards
  - Comment on cards
- **Members**
  - Get member information
  - Create stars for boards
  - Manage member permissions
- **Labels**
  - Create, update, and delete labels
  - Assign and remove labels from cards
- **Notifications**
  - Mark all notifications as read
- **Data:**
  - Test data for boards, lists, cards, members, labels, and attachments from the Trell API Documentation.

Test Approach
- **Testing Techniques:**
  - Functional testing
- **Testing Levels:**
  - functional
  - System testing

Deliverables Test

- **High level scenarios**

- **Test Scripts**

- **Test Results**

- **Defect Reports**

- **Test Summary Report**

Test Environment

- **Hardware:**

- **Software:** Postman, Trello API client, Windows 11, Intellijl .

Responsibilities

- **Test Lead:** Oversee the testing process, coordinate with stakeholders

- **Test Team:** Execute High level scenarios, report defects

- **Developers:** Address defects, provide necessary information

Risks and Mitigation

- **Risk 1:** API changes or updates

  - **Mitigation:** Regularly review API documentation and update test cases accordingly.

- **Risk 2:** Data integrity issues

  - **Mitigation:** Implement data validation and integrity checks in test cases.

- **Risk 3:** Performance bottlenecks

  - **Mitigation:** Conduct performance testing under various load conditions.