**Trello Clone APIs**

|  |  |
| --- | --- |
| Name | **Create a new user** |
| Link | **http://localhost:8080/Trello-Clone/api/user/create** |
| Method Type | **POST** |
| Body | {      "name": "Ahmed",      "email": "ahmedbakry024@gmail.com",      "password": "1234",      "isTeamLeader":true  } |
| Params | None |
| Expected | **User created successfully** |

|  |  |
| --- | --- |
| Name | **Create a new board** |
| Link | **http://localhost:8080/Trello-Clone/api/board/createBoard?userId=1** |
| Method Type | **POST** |
| Body | {      "name": "board 2",      "teamLeader": 1  } |
| Params | Key : userId , value : 1 |
| Expected | **Board created successfully** |

|  |  |
| --- | --- |
| Name | **Create a list** |
| Link | **http://localhost:8080/Trello-Clone/api/list/create?userId=1** |
| Method Type | **POST** |
| Body | {      "listName" :"test",      "boardId":1  } |
| Params | Key : userId , value : 1 |
| Expected | {      "boardId": 1,      "listName": "test",      "listId": 4  } |

|  |  |
| --- | --- |
| Name | **Get All Lists** |
| Link | **http://localhost:8080/Trello-Clone/api/list/getAll** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | [      {          "boardId": 1,          "listName": "Done",          "listId": 1      },      {          "boardId": 1,          "listName": "Todo",          "listId": 2      },      {          "boardId": 1,          "listName": "Progress",          "listId": 3      },      {          "boardId": 1,          "listName": "test",          "listId": 4      }  ] |

|  |  |
| --- | --- |
| Name | **Get all cards in list** |
| Link | **http://localhost:8080/Trello-Clone/api/list/getallcardslist?listId=1** |
| Method Type | **GET** |
| Body | None |
| Params | Key : listId , value : 1 |
| Expected | [] |

|  |  |
| --- | --- |
| Name | **Get all cards in list** |
| Link | **http://localhost:8080/Trello-Clone/api/list/getallcardslist?listId=1** |
| Method Type | **GET** |
| Body | None |
| Params | Key : listId , value : 1 |
| Expected | [] |

|  |  |
| --- | --- |
| Name | **Invite user to the board** |
| Link | **http://localhost:8080/Trello-Clone/api/board/addUserToInvitedList?userId=1&boardId=1** |
| Method Type | **POST** |
| Body | None |
| Params | Key : userId, value : 1  Key : boardId, value : 1 |
| Expected | **User with ID 2 added to invited list of Board with ID 1** |

|  |  |
| --- | --- |
| Name | **Get all users** |
| Link | **http://localhost:8080/Trello-Clone/api/board/invitedUsers?boardId=1&userId=1** |
| Method Type | **GET** |
| Body | None |
| Params | Key : userId, value : 1  Key : boardId, value : 1 |
| Expected | [      1,      2  ] |

|  |  |
| --- | --- |
| Name | **Create a default card** |
| Link | **http://localhost:8080/Trello-Clone/api/card/create?boardId=1** |
| Method Type | **POST** |
| Body | {    "title": "Example Card",    "description": "This is a sample card.",    "comments":["comment1","comment2"],    "assignedTo":1,    "reporterId":1,    "deedline": "2024-05-09"  } |
| Params | Key : boardId, value : 1 |
| Expected | {      "cardId": 3,      "comments": [          "comment1",          "comment2"      ],      "creationDate": "2024-05-08",      "assignedTo": 1,      "description": "This is a sample card.",      "reporterId": 1,      "sprint": **null**,      "title": "Example Card",      "listId": 2,      "status": "To Do",      "cardStatus": "To Do",      "deedline": "2024-05-09"  } |

|  |  |
| --- | --- |
| Name | **Create a card** |
| Link | **http://localhost:8080/Trello-Clone/api/card/create?boardId=1** |
| Method Type | **POST** |
| Body | {    "title": "Example Card",    "description": "This is a sample card.",    "comments":["comment1","comment2"],    "assignedTo":1,    "reporterId":1,    "cardStatus": "Reading",    "deedline": "2024-05-07"  } |
| Params | Key : boardId, value : 1 |
| Expected | {      "cardId": 4,      "comments": [          "comment1",          "comment2"      ],      "creationDate": "2024-05-08",      "assignedTo": 1,      "description": "This is a sample card.",      "reporterId": 1,      "sprint": **null**,      "title": "Example Card",      "listId": 2,      "status": "Reading",      "cardStatus": "Reading",      "deedline": "2024-05-07"  } |

|  |  |
| --- | --- |
| Name | **Get card** |
| Link | **http://localhost:8080/Trello-Clone/api/card/getcard?cardId=1&userId=1** |
| Method Type | **GET** |
| Body | None |
| Params | Key : userId, value : 1  Key : cardId, value : 1 |
| Expected | {      "cardId": 1,      "comments": [          "comment1",          "comment2"      ],      "creationDate": "2024-05-08",      "assignedTo": 1,      "description": "This is a sample card.",      "reporterId": 1,      "sprint": **null**,      "title": "Example Card",      "listId": 2,      "status": "Reading",      "cardStatus": "Reading",      "deedline": "2024-05-09"  } |

|  |  |
| --- | --- |
| Name | **Search Title** |
| Link | **http://localhost:8080/Trello-Clone/api/search/title/Example** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"      } |

|  |  |
| --- | --- |
| Name | **Search Description** |
| Link | **http://localhost:8080/Trello-Clone/api/search/description/card** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"  } |

|  |  |
| --- | --- |
| Name | **Search Status** |
| Link | **http://localhost:8080/Trello-Clone/api/search/status/Reading** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 2,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-07"      } |

|  |  |
| --- | --- |
| Name | **Search assignee** |
| Link | **http://localhost:8080/Trello-Clone/api/search/assignee/1** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"      } |

|  |  |
| --- | --- |
| Name | **Search Reporter** |
| Link | **http://localhost:8080/Trello-Clone/api/search/reporter/1** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"      } |

|  |  |
| --- | --- |
| Name | **Search Secific Creation Date** |
| Link | **http://localhost:8080/Trello-Clone/api/search/creationDate/2024-05-08** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"      } |

|  |  |
| --- | --- |
| Name | **Search specific Deedline** |
| Link | **http://localhost:8080/Trello-Clone/api/search/deedline/2024-05-08** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | [      {          "cardId": 6,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-08"      }  ] |

|  |  |
| --- | --- |
| Name | **Search Before Deedline** |
| Link | **http://localhost:8080/Trello-Clone/api/search/before-Deedline/2024-05-07** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | [      {          "cardId": 2,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-07"      },      {          "cardId": 7,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-06"      }  ] |

|  |  |
| --- | --- |
| Name | **Search After Deedline** |
| Link | **http://localhost:8080/Trello-Clone/api/search/after-Deedline/2024-05-07** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | [      {          "cardId": 1,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-09"      },      {          "cardId": 2,          "comments": [              "comment1",              "comment2"          ],          "creationDate": "2024-05-08",          "assignedTo": 1,          "description": "This is a sample card.",          "reporterId": 1,          "sprint": **null**,          "title": "Example Card",          "listId": 2,          "status": "Reading",          "cardStatus": "Reading",          "deedline": "2024-05-07"      }  ] |

|  |  |
| --- | --- |
| Name | **Send-Messages-Console** |
| Link | **http://localhost:8080/Trello-Clone/api/messaging/check-Deadline-And-Send-Messages-console/1** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | **Card Deadline Checked Successfully** |

|  |  |
| --- | --- |
| Name | **Send-Messages-API** |
| Link | **http://localhost:8080/Trello-Clone/api/messaging/check-Deadline-And-Send-Messages-API/1** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | **Card Deadline Checked Successfully** |

|  |  |
| --- | --- |
| Name | **Get Notifications by UserId** |
| Link | **http://localhost:8080/Trello-Clone/api/messaging/notification/1** |
| Method Type | **GET** |
| Body | None |
| Params | None |
| Expected | **Reminder: Deadline for card 'Example Card' is approaching. Please complete it soon. Reminder: Deadline for card 'Example Card' has passed. Please review its status.** |