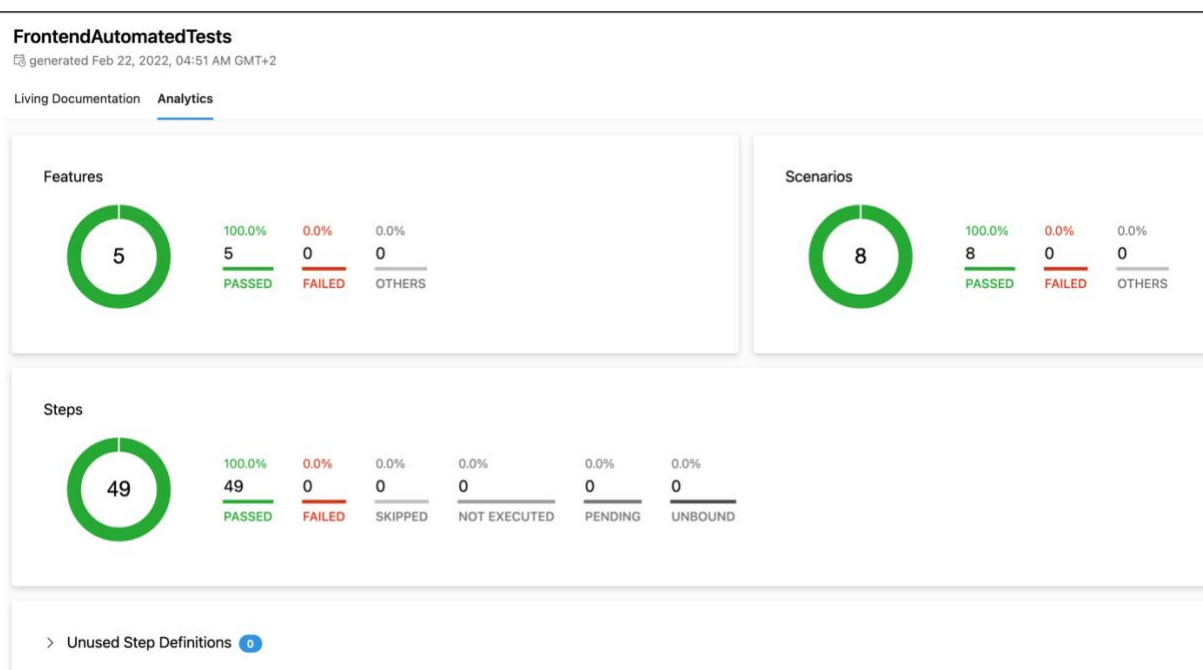# Test Report

This is a test report for the Frontend and Backend Automated tests done for Trello Board completing the CRUD operations

## Frontend Automated Test Results

### Analytics Frontend:

Brief overview of all features, Scenarios and steps that have run and the percentage that have passed for the Frontend Automated UI tests



From the 5 Feature files, there were 8 scenarios run and 49 steps in total that were run and 100% of the tests for the frontend Automated Tests were executed and have passed and that there were no unused Step Definitions

## Frontend Feature File Summary:

**Below is the summary of the 5 Frontend feature files and their test results**

---

# FrontendAutomatedTests
generated Feb 22, 2022, 04:51 AM GMT+2

**Living Documentation**   Analytics

| Filter by Keyword | Filter by ∨ | ‹ › ✕ |

＋ －                                                    Test results ⬤

| ∨ 📁 FrontendAutomatedTests | ⬤ 5 Passed  ⬤ 0 Failed  ⬤ 0 Others |
|---|---|
| ∨ 📁 Features | ⬤ 5 Passed  ⬤ 0 Failed  ⬤ 0 Others |

- ∨ ✅ Create Frontend Automated tests
  - ✅ Create New Board Through Frontend UI
  - ✅ User Unable to create Board without supplying name
- ∨ ✅ DeleteScenarios
  - ✅ : Create and Delete New Board Through Frontend UI
- ∨ ✅ GET Frontend Automated tests
  - ✅ Retrieve Existing Boards
  - ✅ Get Existing Cards on Board
- ∨ ✅ LoginTests
  - ✅ User logs in successfully to Trello's Website
  - ✅ User attempts to log in with Invalid Credentials
- ∨ ✅ Update Frontend Automated tests
  - ✅ Update Existing Card through Frontend UI

# Frontend Feature File Description:

## Create Frontend Automated tests

✅ **Feature: Create Frontend Automated tests**

Covered Scenarios :

- Create New Board Through Frontend UI
- Attempt to create a board without providing a name through Frontend UI

**Background:**

> **Given** the user has navigated to Trello's Website

> **When** the user logs in with valid credentials

> **Then** the user should be logged in and taken to the Trello Homepage

⬦ @Positive

✅ **Scenario: Create New Board Through Frontend UI** 31s 307ms    **Hide Test Output**

> Background Steps

> ✓ **Given** the user clicks on the "Create new board" option

> ✓ **When** the "Create board" modal appears
> ✓ **And** the user fills in all required fields

> ✓ **Then** the user is taken to the newly created board
> ✓ **And** the user is able to close and Delete the newly created board

⬦ @Negative

✅ **Scenario: User Unable to create Board without supplying name** 21s 574ms    **Hide Test Output**

> Background Steps

> ✓ **Given** the user clicks on the "Create new board" option

> ✓ **When** the "Create board" modal appears
> ✓ **And** the user does not fill in all required fields

> ✓ **Then** the user is unable to create a new Board

# Delete Frontend Automated tests

## ✅ Feature: DeleteScenarios

Covered Scenarios :

- Create and Delete New Board Through Frontend UI

**Background:**

> **Given** the user has navigated to Trello's Website

> **When** the user logs in with valid credentials

> **Then** the user should be logged in and taken to the Trello Homepage

🏷 @Positive

✅ **Scenario: : Create and Delete New Board Through Frontend UI**  39s 718ms  Hide Test Output

> Background Steps

✓ **Given** the user clicks on the "Create new board" option

✓ **When** the "Create board" modal appears

✓ **And** the user fills in all required fields

✓ **Then** the user is taken to the newly created board

✓ **And** the user is able to close and Delete the newly created board

✓ **And** the user can verify that the board no longer exists

GET Frontend Automated tests

## ✅ Feature: GET Frontend Automated tests

Covered Scenarios :

- Get Existing Boards Through Frontend UI
- Get Existing Cards on existing Board

**Background:**

| Given the user has navigated to Trello's Website |

| When the user logs in with valid credentials |

| Then the user should be logged in and taken to the Trello Homepage |

🏷 @Positive

✅ **Scenario: Retrieve Existing Boards** 17s 876ms    Hide Test Output

> Background Steps

✓ Given the user can see their existing board

🏷 @Positive

✅ **Scenario: Get Existing Cards on Board** 19s 704ms    Hide Test Output

> Background Steps

✓ Given the user can see their existing board

✓ When the user navigates to their existing board

✓ Then the user can see their existing Cards

Login Frontend Automated tests

## ✅ Feature: LoginTests

Covered Scenarios :

- Login to the Trello Website with valid credentials through Frontend UI
- Attempt to Login to the Trello Website with invalid credentials through Frontend UI

🏷 @Positive

✅ **Scenario: User logs in successfully to Trello's Website**  17s 547ms  | Hide Test Output |

| − Browser Launched | BeforeScenario |

✓ **Given** the user has navigated to Trello's Website

✓ **When** the user logs in with valid credentials

✓ **Then** the user should be logged in and taken to the Trello Homepage

🏷 @Negative

✅ **Scenario: User attempts to log in with Invalid Credentials**  6s 107ms  | Hide Test Output |

| − Browser Launched | BeforeScenario |

✓ **Given** the user has navigated to Trello's Website

✓ **When** the user attempts to log in with invalid credentials

✓ **Then** the user is not logged in and is shown an error message

## ✅ Feature:  Update Frontend Automated tests

Covered Scenarios :

- Update Existing Card through Frontend UI

**Background:**

> **Given** the user has navigated to Trello's Website

> **When** the user logs in with valid credentials

> **Then**  the user should be logged in and taken to the Trello Homepage

🏷 @Positive

✅ **Scenario:  Update Existing Card through Frontend UI**  27s 44ms  **Hide Test Output**

> Background Steps

✓ **Given** the user can see their existing board

✓ **When** the user navigates to their existing update board

✓ **And**  the user can see their existing Cards on the update board

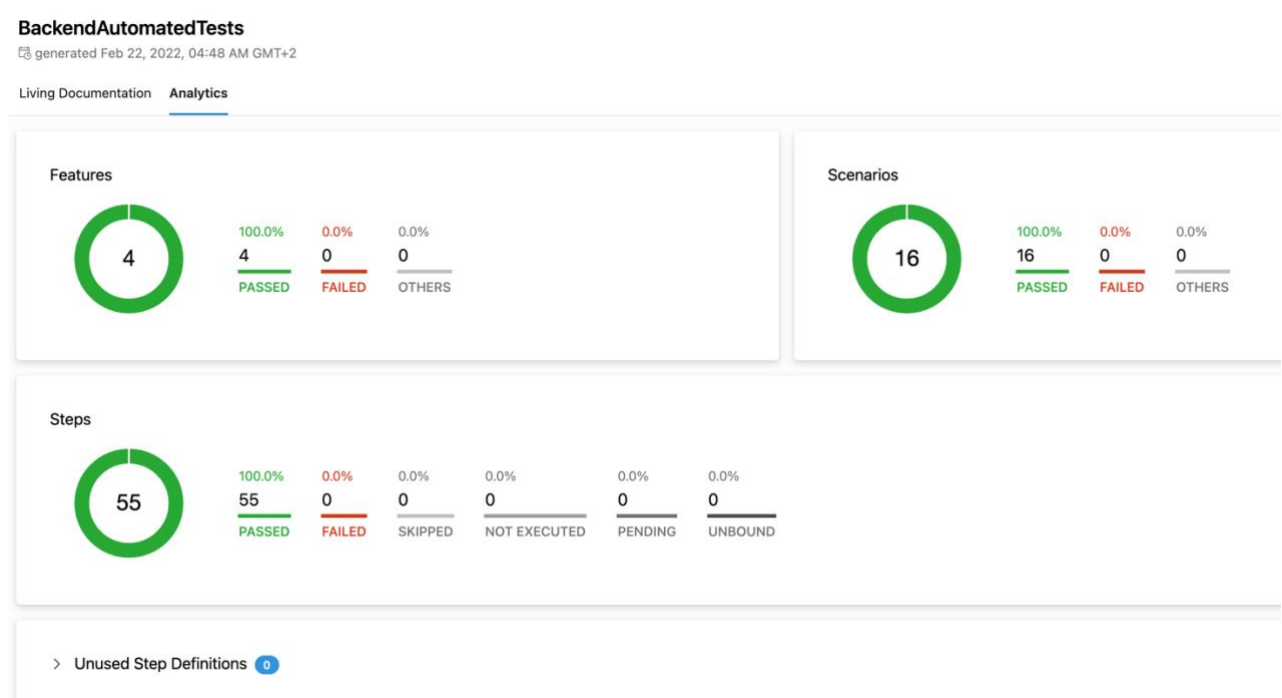✓ **Then**  the user attempts to update an existing Card

✓ **And**  the card is successfully updated

✓ **And**  the user updates the card back to the orignal name

# Backend Automated Test Results

## Analytics Backend:

Brief overview of all features, Scenarios and steps that have run and the percentage that have passed for the Backend API automated tests



From the 4 Feature files, there were 16 scenarios run and 55 steps in total that were run and 100% of the tests for the frontend Automated Tests were executed and have passed and that there were no unused Step Definitions

Backend Feature File Summary:

**Below is the summary of the 4 Backend feature files and their test results**

# BackendAutomatedTests
🗓 generated Feb 22, 2022, 04:48 AM GMT+2

**Living Documentation**    Analytics

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| ▽ Filter by Keyword | Filter by ∨  ‹  ›  ✕ |
|---|---|

\+ —                                                                    Test results 🔵

| ∨ 📁 BackendAutomatedTests | 🟢 4 Passed  🔴 0 Failed  ⚪ 0 Others |
|---|---|
| ∨ 📁 Features | 🟢 4 Passed  🔴 0 Failed  ⚪ 0 Others |

∨ ✅ Create, POST Backend Automated tests
- ✅ Create New Board Through API
- ✅ Attempt to Create New Board with an invalid name through API

∨ ✅ Delete Backend Automated Tests
- ✅ Delete Newly Created Board Through API
- ✅ Attempt to delete a Board that does not exist Through API

∨ ✅ GET, Read Backend Automated tests
- ✅ Get All Boards Request
- ✅ Get Existing Boards
- ✅ Get Existing Lists on Board
- ✅ Validate Incorrect Authentication Error Response
- ✅ Validate Incorect ID Error Response

∨ ✅ PUT, Update Backend Automated tests
- ✅ Update Existing Board through API
- ✅ Attempt Update an Existing Board with an Unauthorized Board Id through API

# Backend Feature File Description:

POST/Create Backend Automated tests

✅ **Feature: Create, POST Backend Automated tests**

Covered Scenarios :

- Create New Board Through API
- Attempt to Create New Board with an invalid name through API

**Background:**

> **Given** the Trello API is healthy and working

🏷 @Positive

✅ **Scenario: Create New Board Through API** 4s 517ms

> Background Step

> ✓ **Given** the user wants to create a new Board through the API

> ✓ **When** the Post request is made to create the Board

> ✓ **And** the Board has been successfully created with the correct Values

> ✓ **Then** the newly created Board is deleted

🏷 @Negative

✅ **Scenario: Attempt to Create New Board with an invalid name through API** 2s 849ms

> Background Step

> ✓ **Given** the user wants to create a new Board with an invalid name

> ✓ **Then** an "invalid value for name" and "BadRequest" error occurs and the board is not created

Delete Backend Automated tests

## ✅ Feature: Delete Backend Automated Tests

**Background:**

> **Given** the Trello API is healthy and working

🏷 @Positive

✅ **Scenario: Delete Newly Created Board Through API** 5s 640ms

> Background Step

✓ **Given** the user wants to create a new Board through the API

✓ **When** the Post request is made to create the Board

✓ **And** the Board has been successfully created with the correct Values

✓ **Then** the newly created Board is deleted

✓ **And** validation is done to confirm the Board has been successfully deleted

🏷 @Negative

✅ **Scenario: Attempt to delete a Board that does not exist Through API** 2s 510ms

> Background Step

✓ **When** a <Board_Id> that does not exist attempts to be deleted

✓ **Then** an "invalid id" and "BadRequest" error occurs and the board is not deleted

## GET/ Read Backend Automated tests

✅ **Feature:  GET, Read Backend Automated tests**

Covered Scenarios :

- Get All Boards Through API
- Get Specific Board Through API
- Get Existing Lists on Board
- Attempt to GET Board with an invalid auth through API
- Attempt to GET Board with an invalid Board ID through API

**Background:**

> **Given** the Trello API is healthy and working

◇ @Positive

✅ **Scenario:  Get All Boards Request**  2s 542ms

> Background Step

✓ **When** a GET all boards request is performed

✓ **Then**  the response code is successful

◇ @Positive

✅ **Scenario:  Get Existing Boards**  2s 704ms

> Background Step

✓ **When** a GET request is performed for an existing board

✓ **Then**  the "Trello FrontEnd Testing" board should be returned

---

✅ **Feature:  GET, Read Backend Automated tests**

◇ @Positive

✅ **Scenario Outline:  Get Existing Lists on Board**  12s 957ms

Shown

| #1 - To Do ▽ | ✕ |

> Background Step

✓ **When** a GET request is performed for all lists on a specific board

✓ **Then**  the following To Do should be displayed

Examples:

| # | Preview | Result | lists | Duration |
|---|---------|--------|-------|----------|
| 1 | 🔵 | ✅ | To Do | 2s 695ms |
| 2 | ⚪ | ✅ | Doing | 2s 697ms |
| 3 | ⚪ | ✅ | Blocked | 2s 516ms |
| 4 | ⚪ | ✅ | IN QA | 2s 352ms |
| 5 | ⚪ | ✅ | Done | 2s 697ms |

✅ **Feature: GET, Read Backend Automated tests**

🏷 @Negative

✅ **Scenario Outline: Validate Incorrect Authentication Error Response** 2s 681ms

Shown

| Scenario Outline ⌄ |

❯ Background Step

> **Given** a Get request is made with an invalid Authentication

> **Then** an unauthorized permission requested and Unauthorized response is received

Examples:

| # | Preview | Result | error_message | status_code | Duration |
|---|---------|--------|---------------|-------------|----------|
| 1 | ⚪ | ✅ | unauthorized permission requested | Unauthorized | 2s 681ms |

🏷 @Negative

✅ **Scenario Outline: Validate Incorect ID Error Response** 5s 38ms

Shown

| #1 - invalid ⌄ | ✕ |

❯ Background Step

✓ **Given** a Get request is made with an incorrect invalid value

✓ **Then** an invalid id and BadRequest response is received

Examples:

| # | Preview | Result | Board_ID | error_message | status_code | Duration |
|---|---------|--------|----------|---------------|-------------|----------|
| 1 | 🔵 | ✅ | invalid | invalid id | BadRequest | 2s 531ms |
| 2 | ⚪ | ✅ | !@#$% | invalid id | BadRequest | 2s 507ms |

# PUT/Update Backend Automated tests

## ✅ Feature: PUT, Update Backend Automated tests

Covered Scenarios :

- Update Existing Board through API
- Attempt Update an Existing Board with an Unauthorized Board Id through API

**Background:**

> **Given** the Trello API is healthy and working

🏷 @Positive

✅ **Scenario: Update Existing Board through API**  4s 267ms

> Background Step

✓ **Given** an existing board to be updated exists

✓ **When** an update is made to the board through the API

✓ **Then** the Updated values are validated

🏷 @Negative

✅ **Scenario: Attempt Update an Existing Board with an Unauthorized Board Id through API**  3s 547ms

> Background Step

✓ **Given** an existing board to be updated exists

✓ **When** an update is made to the board through the API with an unauthorized id

✓ **Then** an "Unauthorized" and "unauthorized permission requested" error occurs and the board is not updated