INDEX

1. **SCRUM-TC-1 (1):**   Login Test - Positive basic scenario

Description	Verify that a registered user with correct credentials can log in successfully and is redirected to the dashboard that belongs to user's role
Pre-Condition	User account exists in the database

Steps

#	Step	Data	Expected Result
1.	Navigate to the main page (index.html)	None	Home page loads successfully
2.	Click on the **"Sign In"** Link	None	Sign In Page is displayed
3.	Enter a valid email in the email field	amrobasheer242@gmail.com	Email field accepts the input
4.	Enter the correct password in the password field	00000000a	Password field accepts the input
5.	Click the Sign In button	None	User is redirected to dashboard.php
6.	Check displayed info on dashboard	None	"Manager: Amro Deek" is shown, confirming correct user

Folder	
Requirements	SCRUM-2
Owner	Amro AL Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025

Attachments	• Main Page (index.html).png
	• Sign In Page with data inputs.png
	• dashboard with correct role and name.png

2. SCRUM-TC-2 (1):   Reject Budget Below Minimum Boundary - Boundary Value Analysis Test 1

Description	
	This test verifies that the system correctly rejects project submissions where the entered budget is less than the allowed minimum of 1 (e.g., 0.99). This is a boundary value test to ensure robustness of the budget validation logic.

Pre-Condition	
	1- The user is logged into the system with the role of **Manager**.
	2- The "Add Project" form is accessible.
	3- All required fields in the form are filled with valid data **except** for the **budget**, which is set to 0.99.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	0.99	None
3.	click on "Add Project" Button	None	block the submission and display an error : "budget value should be greater than 1"

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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3. SCRUM-TC-3 (1):   Accept Budget at Lower Boundary - Boundary Value Analysis Test 2

Description	
	Confirms the system accepts a project submission where the budget is exactly the minimum valid value of 1

Pre-Condition	
	1- The user is logged into the system with the role of **Manager**.
	2- The "Add Project" form is accessible.
	3- All required fields in the form are filled with valid data and **budget=1**.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	1	None
3.	click on "Add Project" Button	None	display success message : "Project added successfully" and project will saved to the data base .

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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4. SCRUM-TC-4 (1): Accept Budget at Upper Boundary - Boundary Value Analysis Test 3

Description	
	Verifies that the system allows submission when the budget is exactly the maximum accepted value of 10000.

Pre-Condition	
	1- The user is logged into the system with the role of **Manager**.
	2- The "Add Project" form is accessible.
	3- All required fields in the form are filled with valid data and **budget=10000**.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	10000	None
3.	click on "Add Project" Button	None	display success message : "Project added successfully" and project will saved to the data base .

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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5. SCRUM-TC-5 (1): Reject Budget Above Maximum Boundary - Boundary Value Analysis Test 4

Description	
	This test verifies that the system correctly rejects project submissions where the entered budget exceeds the allowed maximum value '10000' (e.g., 10000.1). This is a boundary value test to ensure robustness of the budget validation logic.

Pre-Condition	
	1- The user is logged into the system with the role of **Manager**.
	2- The "Add Project" form is accessible.
	3- All required fields in the form are filled with valid data **except** for the **budget**, which is set to 10000.1.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	10000.1	None
3.	click on "Add Project" Button	None	block the submission and display an error : "budget value should be less than 10000"

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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6. SCRUM-TC-6 (1):   Reject Upload of Unsupported File Types Test

Description	Ensure the system rejects unsupported file formats (e.g., .exe, .php, .bat) during project creation.

Pre-Condition	1- The user is logged into the system with the role of **Manager**. 2- The "Add Project" form is accessible. 3- All required fields in the form are filled with valid data. 4- At least one file is selected for upload with an **unsupported file extension** (e.g., .exe, .js, .txt).

Steps

#	Step	Data	Expected Result
1.	Navigate to "Add Project" page	None	Form is displayed
2.	Fill in all project details	Valid inputs	Fields accept input
3.	Attach a file with unsupported format	malware.js	File is accepted by browser
4.	click on "Add Project" Button	None	display Error message: "Unsupported file type" and block the submission .

Folder	
Requirements	SCRUM-5
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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7. SCRUM-TC-7 (1): Accept Budget Just Above Minimum - Boundary Value Analysis Test 5

Description	Confirms the system accepts a project submission where the budget is is slightly above the minimum valid value (e.g., 1.1).
Pre-Condition	1- The user is logged into the system with the role of **Manager**. 2- The "Add Project" form is accessible. 3- All required fields in the form are filled with valid data and **budget=1.1**.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	1.1	None
3.	click on "Add Project" Button	None	display success message : "Project added successfully" and project will saved to the data base .

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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8. SCRUM-TC-8 (1): Accept Budget Just Below Maximum - Boundary Value Analysis Test 6

Description	Confirms the system accepts a project submission where the budget is is slightly below the maximum valid value (e.g., 9999.99).
Pre-Condition	1- The user is logged into the system with the role of **Manager**. 2- The "Add Project" form is accessible. 3- All required fields in the form are filled with valid data and **budget=9999.9**.

Steps

#	Step	Data	Expected Result
1.	Navigate to Add Project page	None	Form is displayed
2.	Enter budget value	9999.9	None
3.	click on "Add Project" Button	None	display success message : "Project added successfully" and project will saved to the data base .

Folder	
Requirements	SCRUM-4
Owner	Amro AL Deek
Priority	Medium
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	30 May 2025
Version Created	30 May 2025
Updated	30 May 2025
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9. SCRUM-TC-9 (1): Project Date Range Test - Statement Coverage

Description	
	This test case ensures that all lines of the isValidDateRange() function are executed at least once, regardless of the result. The function checks whether the project's end date is chronologically after the start date, which is a core validation in the project creation process. Testing this helps ensure that the validation logic does not have any unreachable statements and behaves correctly across all possible logical flows.
Pre-Condition	
	The user is authenticated and on the Add Project page.

Steps

#	Step	Data	Expected Result
1.	Call isValidDateRange() with start date < end date	Start = 2025-01-01, End = 2025-01-02	Returns true
2.	Call isValidDateRange() with start date = end date	Start = 2025-01-01, End = 2025-01-01	Returns false
3.	Call isValidDateRange() with start date > end date	Start = 2025-01-02, End = 2025-01-01	Returns false

Folder	
Requirements	SCRUM-7
Owner	Amro AL Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	31 May 2025
Version Created	31 May 2025
Updated	31 May 2025
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10. SCRUM-TC-10 (1): File Upload in Add Project Test - Branch Coverage

Description	
	This test case aims to exercise all decision-making branches in the file upload logic, including conditions for file existence, title presence, size limit enforcement, and handling of successful and failed file moves. The goal is to ensure that every if, else if, and else path in the file validation loop is tested at least once. By doing so, we verify that the system responds appropriately in each case—accepting valid files, rejecting oversized or untitled files, and handling empty inputs or unexpected behaviors gracefully.
Pre-Condition	1 -The user is logged in and on Add Project page. 2 - User selects a file and clicks "Upload".

Steps

#	Step	Data	Expected Result
1.	Upload 3 files with titles and size < 2MB	file1.jpg, file2.pdf ,file3. png	Files are accepted
2.	Upload file with no title	file3.png, title=""	display an error : "Title is required for file file3.png"
3.	Upload file > 2MB	file4.docx	display an error : "File file4.docx exceeds the size limit of 2MB."

Folder	
Requirements	SCRUM-8
Owner	Amro AL Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	31 May 2025
Version Created	31 May 2025
Updated	31 May 2025
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11. SCRUM-TC-11 (1): File Upload Loop in Add Project - Path Coverage

Description	
	This test ensures that all logical paths within the file upload handling loop are covered. It targets scenarios with 0–3 files and checks for validation failures related to file size and missing titles.

Pre-Condition	
	1. The user is logged in with the **Manager** role
	2. The **"Add Project"** form is accessible
	3. All other form inputs are valid and consistently filled

Steps

#	Step	Data	Expected Result
1.	Submit the form without uploading any files	None	display success message : "Project added successfully" , and file loop is skipped
2.	Upload one valid file	File: report.pdf ,size: 1.5MB, Title: "Project Report"	File is saved , display success message : "Project added successfully"
3.	Upload three valid files	File1: file1.pdf, File2: file2.jpg, File3: file3.png (each < 2MB, valid titles)	All files saved , display success message : "Project added successfully"
4.	Upload a file exceeding size limit	File: big.pdf ,size: 3MB, Title: "exceeding file"	display an Error: "File big.pdf exceeds the size limit of 2MB" ,and block submission
5.	Upload a file with no title	File: file.pdf (size: 1MB), Title:""	display an Error: "Title is required for file file.pdf", ,and block submission
6.	(Multiple files where one is invalid) : Upload one valid file and one invalid (too large)	File1: valid.pdf (size: 1MB, title: "Valid") File2: bigfile.pdf (size: 3MB, title: "big file")	display an Error: "File bigfile.pdf exceeds the size limit of 2MB." ,and block submission

Folder	
Requirements	SCRUM-9
Owner	Amro AL Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	

Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	31 May 2025
Version Created	31 May 2025
Updated	31 May 2025
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12. SCRUM-TC-12 (1):   Duplicate Project ID Handling - Branch Coverage

Description	This test case targets the exception-handling branch of the insertProject() function, specifically when a duplicate project ID is inserted, causing the PDOException to trigger. It confirms the application does not crash and that the appropriate error message is shown to the user.
Pre-Condition	1. A valid project with ID ABCD-12345 already exists in the projects table. 2. The user is logged in as a **Manager**. 3. The user is on the "Add Project" form page.

Steps

#	Step	Data	Expected Result
1.	Submit the "Add Project" form with duplicated ID and all other fields are valid values, and files are valid and within size limits	Project ID: ABCD-12345	Project not inserted, display error message: "Error: Project ID already Exists!"

Folder	
Requirements	SCRUM-10
Owner	Amro AL Deek
Priority	High
Status	**Published**
Type	
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Case Created	31 May 2025
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Updated	31 May 2025
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13. SCRUM-TC-13 (1): Valid Task Creation

Description	Task is successfully created when all required fields are filled correctly
Pre-Condition	User is logged in and has permission to create tasks

Steps

#	Step	Data	Expected Result
1.	1. Navigate to the Task Creation page. 2. Enter valid data in all fields (task name, description, project ID, start date, end date, effort, status, and priority). 3. Click the "Create" button.	• Task Name: "Valid Task Name" • Description: "Task description" • Project ID: valid project ID • Start Date: within project duration • End Date: within project duration and >= start date • Effort: 1.0 • Status: "Pending" • Priority: "Medium"	• The task is created successfully, and a confirmation message is displayed.

Folder	
Requirements	SCRUM-31
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
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Components	
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Tags	
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Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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14. SCRUM-TC-14 (1): Invalid Task Name (Empty or Duplicate)

Description	Task creation fails when the task name is either empty or a duplicate
Pre-Condition	User is logged in and has permission to create tasks

Steps

#	Step	Data	Expected Result
1.	1. Navigate to the Task Creation page. 2. Leave the task name field empty or enter a duplicate name. 3. Fill in other fields with valid data. 4. Click the "Create" button.	1. Task Name: "" (empty) or duplicate name 2. Description: "Task description" 3. Project ID: valid project ID 4. Start Date: within project duration 5. End Date: within project duration 6. Effort: 1.0 7. Status: "Pending" 8. Priority: "Medium"	• An error message is displayed: "Task name is required and must be unique."

Folder	
Requirements	SCRUM-31
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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15. SCRUM-TC-15 (1): Invalid Date Range (End Date Before Start Date)

Description	Task creation fails when the end date is earlier than the start date
Pre-Condition	User is logged in and has permission to create tasks

Steps

#	Step	Data	Expected Result
1.	1. Navigate to the Task Creation page. 2. Enter a valid start date and an end date earlier than the start date. 3. Fill in other fields with valid data. 4. Click the "Create" button.	• Task Name: "Valid Task Name" • Description: "Task description" • Project ID: valid project ID • Start Date: within project duration • End Date: before start date • Effort: 1.0 • Status: "Pending" • Priority: "Medium"	• An error message is displayed: "End date must be greater than or equal to start date."

Folder	
Requirements	SCRUM-31
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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16. SCRUM-TC-16 (1): Invalid Effort Value (Less Than 0.1)

Description	Task creation fails when the effort value is less than 0.1
Pre-Condition	User is logged in and has permission to create tasks

Steps

#	Step	Data	Expected Result
1.	1. Navigate to the Task Creation page. 2. Enter a valid task name, description, project ID, start date, and end date. 3. Set the effort value to less than 0.1. 4. Click the "Create" button.	1. Task Name: "Valid Task Name" 2. Description: "Task description" 3. Project ID: valid project ID 4. Start Date: within project duration 5. End Date: within project duration 6. Effort: 0 7. Status: "Pending" 8. Priority: "Medium"	• An error message is displayed: "Effort must be greater than or equal to 0.1."

Folder	
Requirements	SCRUM-31
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
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Updated	14 Jun 2025
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17. SCRUM-TC-17 (1):   Statement Coverage_GET request to Create Task page

Description	Ensure that the task creation form is displayed when a GET request is made.
Pre-Condition	User is logged in

Steps

#	Step	Data	Expected Result
1.	1. Make a GET request to the Create Task page. 2. Check if the task creation form is displayed.	N/A	Task creation form is displayed

Folder	
Requirements	SCRUM-32
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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18. SCRUM-TC-18 (1):   Branch Coverage_POST with non-existent project

Description	
	Ensure that an error is shown when the project ID is invalid

Pre-Condition	
	User is logged in

Steps

#	Step	Data	Expected Result
1.	1. Make a POST request with an invalid project ID. 2. Check for the error message.	Invalid project ID	Project not found" error message

Folder	
Requirements	SCRUM-32
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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19. SCRUM-TC-19 (1):   Branch Coverage_ POST with existing task name

Description	Ensure that an error is shown when the task name already exists
Pre-Condition	User is logged in

<table>
<tr><td colspan="4" align="center">Steps</td></tr>
<tr><td>#</td><td>Step</td><td>Data</td><td>Expected Result</td></tr>
<tr><td>1.</td><td>1. Make a POST request with a task name that already exists.

2. Check for the error message.</td><td>Existing task name</td><td>Task with name already exists" error message</td></tr>
</table>

Folder	
Requirements	SCRUM-32
Owner	Saleh Deek
Priority	High
Status	**Published**
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
Case Created	14 Jun 2025
Version Created	14 Jun 2025
Updated	14 Jun 2025
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20. SCRUM-TC-20 (1): Path Coverage_ POST with valid data and task creation success

Description	Ensure that the task is successfully created with valid data
Pre-Condition	User is logged in

Steps

#	Step	Data	Expected Result
1.	1. Make a POST request with valid task data. 2. Check for the success message.	Valid task data	Task successfully created" success message

Folder	
Requirements	SCRUM-32
Owner	Saleh Deek
Priority	High
Status	Published
Type	
Releases	
Components	
Estimated Effort	
Tags	
Automation Status	
Automation Owner	
Automation Key	
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Updated	14 Jun 2025
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ATTACHMENTS

Main Page (index.html).png	**Back →**

Amro Al-Deek 1221642

Go to the Main Page

Sign In

Users Information

- Role:Manager , Email:amrobasheer242@gmail.com , Password:00000000a
- Role:Project Leader , Email:sara.alsaud@example.com , Password:password2
- Role:Team Member , Email:ali.ahmed@example.com , Password:password3
- Role:Team Member , Email:layla.ahmed@example.com , Password:password4
- Role:Team Member , Email:omar.hassan@example.com , Password:password5

Amro Al-Deek 1221642

Task Allocator Pro

Manager : Amro Deek   Logout   Login   Sign Up

Task Details Page

Task Search Functionality

Add Project

Allocate Team Leader to Project

Sign In

amrobasheer242@gmail.com

••••••••

Sign In

Don't have account yet?

Sign Up