
Test Case

for

Jira Project Management Tool

Prepared by

Mohammed Tanvir Hassan

23 May, 2025

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_1.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: User Authentication		Test Execution date: 23/5/2025		
Title: Jira Login with valid credentials				
Description: Verify that users can successfully log in to Jira using valid credentials				
Precondition (If any): T h e User must have valid credentials, and the internet connection should be stable				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the login page. 2. Enter a valid email, click “Continue”. 3. Enter the valid password, click “Continue”. 4. Wait for the dashboard to load	URL:https://id.atlassian.com/login Email: universuswebtech@gmail.com Password: Y86f\$G4c&K.C*Jw	After successful login dashboard appears.	Same as expected.	Pass
Post Condition: 1. User redirected to dashboard				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_1.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: User Authentication		Test Execution date: 23/5/2025		
Title: Jira login with unregistered email				
Description: Verify that the user cannot go to the password page with no registered email				
Precondition (If any): T h e Email should not be registered before				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the login page. 2. Enter an invalid email, click “Continue”.	URL: https://id.atlassian.com/login Email: universuswebtech@gmail.com	Users should not be redirected to the password page, and it will redirect and ask the user to Sign Up.	Same as expected.	Pass
Post Condition: 1. User redirect to Sign Up page.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_2.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Issue Management		Test Execution date: 23/5/2025		
Title: Create an issue with mandatory fields				
Description: Verify that users can create an issue by providing all mandatory fields				
Precondition (If any): User is logged in & project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the Create button. 2. Select the desired project in the project dropdown. 3. Select work type in the dropdown. 4. Fill the summary and description fields. 5. Click Create.	1. Project: Learning-Jira (SCRUM) 2. Work Type: Bug 3. Summary: Login Bug 4. Description: Fails on invalid input.	The issue is successfully created, and the creation pop-up up displayed in the backlog.	Same as expected.	Pass
Post Condition: 1. The issue created will be available in the backlog of the project.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_2.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): Medium		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Issue Management		Test Execution date: 23/5/2025		
Title: Create an issue with optional fields				
Description: Verify that users can create an issue when optional fields are included				
Precondition (If any): User logged in & project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the Create button. 2. Select the desired project in the project dropdown. 3. Select work type in the dropdown. 4. Fill in the summary and description fields. 5. Select the assignee from the dropdown. 6. Browse attachment and upload a .docx file. 7. Click Create.	1. Project: Learning-Jira (SCRUM) 2. Work Type: Bug 3. Summary: UI Bug 4. Description: When someone hovers in the nav bar, the website refreshes automatically. 5. Assignee: User_2 6. Attachment: PRD.docx	The issue is successfully created, and the creation pop-up up displayed in the backlog.	Same as expected.	Pass
Post Condition: 1. The issue created will be available in the backlog of the project.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_2.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Issue Management		Test Execution date: 23/5/2025		
Title: Fail to create an issue without a summary				
Description: Verify that the system prevents issue creation if required fields are missing				
Precondition (If any): User logged in & project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the Create button. 2. Select the desired project in the project dropdown. 3. Select work type in the dropdown. 4. Fill in the description field. 5. Click Create.	1. Project: Learning-Jira (SCRUM) 2. Work Type: Story 3. Description: When someone hovers in the nav bar, the website refreshes automatically.	The issue is not created, and “Summary is required” will show.	Same as expected.	Pass
Post Condition: 1. The user will be on the create page with the warning message.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_3.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Task Management		Test Execution date: 23/5/2025		
Title: Create a task with valid data				
Description: Verify user can create a task-type issue				
Precondition (If any): User logged in & project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the Create button. 2. Select the desired project in the project dropdown. 3. Select work type in the dropdown. 4. Fill in the description field. 5. Click Create	1. Project: Learning-Jira (SCRUM) 2. Work Type: Task 3. Summary: Login Page 4. Description: Create a login page with JWT authentication.	Task is successfully created, and the creation pop-up up displayed in the backlog.	Same as expected.	Pass
Post Condition: 1. Task is added to backlog.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_3.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Task Management		Test Execution date: 23/5/2025		
Title: Edit Task after creation				
Description: Verify tasks can be edited after creation				
Precondition (If any): Task already exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog and click on the task. 2. Click on Summary and Description. 3. Click the “Save” button.	1. Summary: Login Page Design 2. Description: Add “remember me” checkbox.	Task updated with new description.	Same as expected.	Pass
Post Condition: 1. Changes reflect on the backlog.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_3.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Task Management		Test Execution date: 23/5/2025		
Title: Create a task without selecting work-type as “Task”				
Description: Verify backlog shows different symbols on the issue.				
Precondition (If any): User logged in & project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the Create button. 2. Select the desired project in the project dropdown. 3. Select work type in the dropdown. 4. Fill in the description field. 5. Click Create.	1. Project: Learning-Jira (SCRUM) 2. Work Type: Story 3. Summary: Home Page 4. Description: Create a navbar.	The issue will be created, but the “Task” symbol will be missing.	Same as expected.	Pass
Post Condition: 1. The issue is added to the backlog with the story symbol.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_4.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sub-Task Management		Test Execution date: 23/5/2025		
Title: Create a sub-task under a parent.				
Description: Verify user can create a sub-task under a parent issue				
Precondition (If any): Parent task exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the parent issue. 2. Click the “Add” button. 3. Select “child work item”. 4. Fill the required field. 5. Click Create.	1. Input Title: Add footer.	Subtasks will be created under the parent issue.	Same as expected.	Pass
Post Condition: 1. Parent issues will show branch symbols in the backlog.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_4.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sub-Task Management		Test Execution date: 23/5/2025		
Title: Change sub-task status				
Description: Verify user can change the status of a subtask				
Precondition (If any): Parent task exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the parent issue. 2. Click on subtask status 3. Select any available status.	1. Status: Done	Sub-task status will be updated to "Done."	Same as expected.	Pass
Post Condition: 1. Sub-task marked "Done", parent issue remains unchanged.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_4.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sub-Task Management		Test Execution date: 23/5/2025		
Title: Create a sub-task without a parent.				
Description: Verify user can not create a sub-task without a parent				
Precondition (If any): No parent issue selected.				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Click the “Create” button from the backlog. 2. Navigate the “Work Type” dropdown.	NA	Sub-task will not be created as parents are not selected.	Same as expected.	Pass
Post Condition: 1. No sub-task created.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_5.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sprint Management		Test Execution date: 23/5/2025		
Title: Create a sprint and update				
Description: Verify sprint is created and can be edited with valid input				
Precondition (If any): Scrum project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog. 2. Click “Create Sprint”. 3. Click on “...” and then go to edit the sprint. 4. Enter a unique name and valid dates. 5. Update Sprint	1. Name: SCRUM Sprint 3 2. Duration: 1 Week	Sprint will be created and updated.	Same as expected.	Pass
Post Condition: 1. Sprint is ready to be started.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_5.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sub-Task Management		Test Execution date: 23/5/2025		
Title: Verify sprint appears in the backlog				
Description: Confirm created sprint is visible in the backlog list				
Precondition (If any): Sprint already exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog search field. 2. Enter the name of the sprint.	1. Search: Sprint 3	Sprint will appear in the backlog tab.	Same as expected.	Pass
Post Condition: 1. Sprint is visible.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_5.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Sub-Task Management		Test Execution date: 23/5/2025		
Title: Update a sprint with an invalid date				
Description: Verify user cannot update a sprint with an invalid date				
Precondition (If any): Scrum project exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog. 2. Click “Create Sprint”. 3. Click on “...” and then go to edit the sprint. 4. Enter invalid dates. 5. Update Sprint	1. Start Date: 5/23/2025 12:00 AM 2. End Date: 5/14/2025 12:00 AM	Sprint cannot be updated with the date and time input. A warning will be shown.	Same as expected.	Pass
Post Condition: 1. “The end date of a sprint must be after the start date.” - warning will be shown in the update page.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_6.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Comment Management		Test Execution date: 23/5/2025		
Title: Add a valid comment				
Description: Verify user can add a valid comment				
Precondition (If any): Issue exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open it. 2. Go to the comment section. 3. Add comment. 4. Click the “Save” button.	1. Input: Please update this task as soon as possible.	Comment saved with timestamp and author.	Same as expected.	Pass
Post Condition: 1. The comment is visible in the issue details.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_6.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Comment Management		Test Execution date: 23/5/2025		
Title: Edit existing comment				
Description: Verify the author can edit their own comment				
Precondition (If any): Comment exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open it. 2. Go to the comment section. 3. Click “Edit” on the existing comment. 4. Add new comments. 5. Click the “Save” button.	1. Input: Please update the status by tomorrow.	Comment updated successfully.	Same as expected.	Pass
Post Condition: 1. Comment updated.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_6.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Comment Management		Test Execution date: 23/5/2025		
Title: Add blank comment				
Description: Verify user cannot post a blank comment				
Precondition (If any): Issue exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open it. 2. Go to the comment section. 3. Add comment. 4. Click the “Save” button.	1. Input:	The save button will not be responsive.	Same as expected.	Pass
Post Condition: 1. No comment saved.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_7.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Status Management		Test Execution date: 23/5/2025		
Title: Change issue status from “To Do” to “In Progress”				
Description: Verify valid transition from “To Do” to “In Progress”				
Precondition (If any): Issue exists in “To Do”				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Select “To Do”, a dropdown will appear with available transitions. 3. Select Status.	1. Select: In Progress	Status updates in the backlog and board.	Same as expected.	Pass
Post Condition: 1. Status changed to In Progress.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_7.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Status Management		Test Execution date: 23/5/2025		
Title: Complete issue by changing to Done				
Description: Verify status transition to “Done”				
Precondition (If any): Issue in QA				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Select “IN QA”, a dropdown will appear with Done transition. 3. Select Status.	1. Select: Done	Status updates in the backlog and board.	Same as expected.	Pass
Post Condition: 1. Status changed to Done				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_7.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Comment Management		Test Execution date: 23/5/2025		
Title: Invalid status transition				
Description: Ensure that invalid transitions will not appear in the status dropdown				
Precondition (If any): Issue exists in To Do or In Progress				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Select “To Do”, a dropdown will appear. 3. Try to change the status to “Done”.	1. Select: Done	“Done” status will not be available in the dropdown.	Same as expected.	Pass
Post Condition: 1. Cannot update status from “To Do/In Progress” to “Done”				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_8.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Search Functionality		Test Execution date: 23/5/2025		
Title: Search issue by summary or keywords				
Description: Verify user can search issues using summary/keywords				
Precondition (If any): Issue with “Login Page” exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog search field. 2. Type in the field. 3. Press Enter	1. Search: Login	Matching issues are displayed.	Same as expected.	Pass
Post Condition: 1. Relevant issues shown.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_8.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Search Functionality		Test Execution date: 23/5/2025		
Title: Filter issues by multiple options				
Description: Verify that filters show the correct issues				
Precondition (If any): Issues with various options exist				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the board. 2. Select Filter and select the option. 3. From the selected option, again select another option from the checkbox.	1. Select: Work Type 2. Work Type: Story 3. Select: Status 4. Status: In Progress	Only issues “Story Type” and “In Progress” will be shown on the board.	Same as expected.	Pass
Post Condition: 1. Filtered issue list shown.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_8.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Search Functionality		Test Execution date: 23/5/2025		
Title: No matching result				
Description: Ensure the system handles no results				
Precondition (If any): No issue summary with “Product” exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to the backlog search field. 2. Type in the field. 3. Press Enter	1. Search: Product	“There's nothing that matches this filter” will show.	Same as expected.	Pass
Post Condition: 1. The expected message is shown in the backlog.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_9.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Assign User		Test Execution date: 23/5/2025		
Title: Assign issue to a valid user				
Description: Verify the assignment of the issue to a valid user				
Precondition (If any): Project member exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Click “Assignee”. 3. Select user.	1. User: Tanvir Hassan	The issue is assigned to Tanvir Hassan	Same as expected.	Pass
Post Condition: 1. Issue assigned.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_9.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Assign User		Test Execution date: 23/5/2025		
Title: Clear issue assignment				
Description: Verify user can unassign an issue				
Precondition (If any): T h e Issue is assigned				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Click on “Tanvir Hassan”. 3. Select the available option in the dropdown.	1. Select: Unassigned	The issue shows Unassigned.	Same as expected.	Pass
Post Condition: 1. Issue has no assignee.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_9.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): Medium		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Assign User		Test Execution date: 23/5/2025		
Title: Invite users through a valid email				
Description: Verify that a non-existing user can be invited				
Precondition (If any): T h e User email does not exist in the project				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Click “Unassigned”. 3. Type email. 4. Click the “Add” button.	1. Email: “22-46481-1@student.aiub.edu”	Successfully added message will show.	Same as expected.	Pass
Post Condition: 1. Email sent to the user and waiting for the user's acceptance.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_10.1		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Labeling		Test Execution date: 23/5/2025		
Title: Add a single label to the issue				
Description: Verify user can add one label				
Precondition (If any): Issue exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Click “Select Label”. 3. Type label or select from recent.	1. Label: “High”	Successfully label added.	Same as expected.	Pass
Post Condition: 1. Label appears on issue.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_10.2		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Labeling		Test Execution date: 23/5/2025		
Title: Add multiple labels				
Description: Verify user can add more than one label				
Precondition (If any): Issue exists				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open it. 2. Click “Select Label”. 3. Type more than one label	1. Label: “High” 2. Label: “Backend”	Successfully, multiple labels added.	Same as expected.	Pass
Post Condition: 1. All labels saved.				

Project Name: JIRA		Test Designed by: Mohammed Tanvir Hassan		
Test Case ID: TC_10.3		Test Design date: 21/05/2025		
Test Priority (Low, Medium, High): High		Test Executed by: Mohammed Tanvir Hassan		
Module Name: Labeling		Test Execution date: 23/5/2025		
Title: Add invalid label				
Description: Verify user cannot label with a symbolic character				
Precondition (If any): T h e User's email does not exist in the project				
Test Steps	Test Data	Expected Results	Actual Results	Status (Pass/Fail)
1. Navigate to an issue and open. 2. Click “Select Label”. 3. Type the label name.	1. Label: “@@Test#”	Show error message, “Symbolic character cannot be used in the label.”	Label accepted and added without error.	Fail
Post Condition: 1. Label with a special character added.				