

Experiment 8: Creating and Managing a Bug in Jira

□ Aim:

To learn how to report a software bug in Jira and manage its status using the Scrum workflow (TO DO → IN PROGRESS → DONE).

□ Objective:

- Understand how to log bugs encountered during software testing or development.
- Learn how to assign, prioritize, and track a bug until it is resolved.
- Familiarize with Jira's bug-tracking fields.

□ Software/Tool Used:

- **Jira** (Free/Trial version)
- Sample Project: **Gardencity University**

□ Procedure:

Step 1: Login and Access the Project

- Login to your **Jira account**.
- Open your project (e.g., **Gardencity University**).

Step 2: Create a Bug Report

1. Click the “**Create**” button on the top bar.
2. Fill in the following fields in the popup window:

□ Detailed Field Explanation (for Bug Issue Type)

Field Name	Explanation	Example
Project	Select your active project.	Gardencity University
Issue Type	Choose Bug to report an error or problem in the software.	Bug
Summary	Briefly describe the bug.	Login button not responsive
Description	Provide details about the bug: how to reproduce,	Steps: 1. Open app 2.

Field Name	Explanation	Example
	expected vs. actual behavior, screenshots.	Click login...
Assignee	Developer or tester responsible for fixing the bug.	Assign to a team member
Reporter	The person who is reporting the bug (auto-filled).	Your name
Labels	Useful keywords to group or filter issues.	login, bug, frontend
Priority	Set the urgency of the issue: Highest, High, Medium, Low.	High
Sprint	Add to a current sprint if Scrum is used.	Sprint 1
Start Date	The day the bug was found or assigned.	26-May-2025
Due Date	Deadline to fix the bug.	28-May-2025
Story Points	Optional. Can be used to estimate the effort to fix.	1
Epic Link	Link the bug to an Epic (if it affects a larger feature).	User Account Features
Parent	Optional. Link if this bug is under a parent task/story.	N/A
Team	Specify team if working with multiple teams.	Backend or Testing Team

Step 3: Submit the Bug

- After entering the information, click **Create**.

Step 4: Track the Bug on the Jira Board

1. Open the **Board** tab.
2. The bug will appear under **TO DO**.
3. Move it to **IN PROGRESS** when a developer starts working.
4. Drag to **DONE** once it is fixed and verified by QA.

□ Result:

A software bug was successfully reported in Jira with detailed information, assigned, and tracked through the board until resolved.