**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, expected vs. actual behavior, screenshots. | Steps: 1. Open app 2. 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.