School of Computer Science Engineering and Technology

Course- B.Tech
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Course Name: Software Project Management
Semester- Even

Lab Assignment 03–

CO-Mapping

Exp. No.	Name	CO1	CO2	CO3
03	Role-Based Access & Workflow Customization in Jira	✓	✓	--

Objective:

- Assign and manage user roles to implement role-based access control in a Jira project.
- Customize existing workflows by adding conditions, validators, and post-functions to transitions.
- Enhance project control and automation using workflow rules and role-based permissions.

Project Scenario

You are part of a development team working on a company-managed Scrum project for a fictional organization called RetailEase, which is building a modern e-commerce platform. The platform will allow users to browse products, add items to their cart, make secure payments, and track their orders, while also providing an admin dashboard for inventory and order management.

You are required to set up project roles and customize workflow transitions.

Task 1: Project Setup

1. **Create a new Jira project.**
    - Project Type: **Scrum**
    - Management: **Company-managed**
    - Project Name: e.g., "PriorityTrack" or "WorkflowLab"
2. **Explore project settings.**
    - Set the project description and key.
    - Note the default workflow in use under **Project Settings > Workflows** (you'll modify this in Task 2).
    - Understand that role management.

Task 2: Issue Creation, Prioritization & Workflow Interaction

1. **Create multiple issues.**
    - Create at least:
        - 2 **Stories**
        - 2 **Tasks**
        - 1 **Bug**
2. **Assign a Priority to Each Issue**
    - When creating/editing issues, choose from available priorities:
        - Highest
        - High
        - Medium
        - Low
        - Lowest
    - Suggested example:
        - Set bugs to **High** or **Highest**
        - Tasks/stories to **Medium** or **Low**
    - Use priority to simulate urgency and task sequencing.
3. **Track issues on the Scrum board**
    - Move tasks across statuses (To Do → In Progress → Done)
    - Observe if priority affects visibility or urgency.

Task 3: Workflow Customization

Modify the existing workflow using these steps:

1. **Navigate to:**
    - Project Settings → Workflows → Edit (for active workflow)
2. **Make the following changes to transitions:**
    - **Condition**: Allow only assignee to move to "In Progress"
    - **Validator**: Ensure the assignee is not empty before "In Review"
    - **Post Function**: Auto-assign the issue to reporter or notify a group when moving to "Done"
3. **Publish your changes.**
    - Test them by trying to transition issues.

Task 4: Reporting & Dashboards

1. **Use filters and views.**
    - Filter by **Priority** to see all high-priority issues.
    - Use **basic dashboard** or **issue navigator** for visual tracking.

2. **Go to Dashboards → Create a new dashboard.**

    - Add gadgets like: "Sprint Burndown," "Pie Chart by Assignee," "Two-Dimensional Filter Statistics."
3. Save and share the dashboard with your team.

Submission Instructions

- Submit a single ZIP file with:
    - Screenshots for each task.
    - A brief report (PDF/Doc) explaining:
        - Changes made to the workflow.
        - Permissions added or verified.
        - Example of a condition or validator added.
        - Dashboard overview.