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Academic year 2025-2026

**20CYS401**

**Secure Software Engineering**

Lab Record

*Submitted by*

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**Question:For the given application complete full secure devops lifecycle within single lab session**

**Application name: Feeddback submission portal**

**Suggested technology stack:Node.js+mongoDB**

**Focus area/expected output:cross site scripting prevention**

**. Agile Planning**

Write **two user stories** and a simple sprint plan. Example:As a user, I want to log in securely so that I can manage my tasks.

**Goal of this Stage**

The objective of the Agile Planning stage is to define the project's requirements from a user's point of view (User Stories) and organize them into a simple plan for development (a Sprint Plan). You have done this using a professional tool, Jira, and the output is a screenshot of your sprint board.

**Step-by-Step Process You Followed**

Here is a breakdown of the actions you took in Jira to create the board shown in your screenshot:

**Phase 1: Project Setup in Jira**

1. **Logged into Jira:** You accessed your Jira account.
2. **Created a New Project:** You navigated to "Projects" -> "Create project".
3. **Selected a Scrum Template:** You chose the "Scrum" template, which is ideal because it includes key agile features like backlogs and sprints.
4. **Chose Project Type:** You likely selected a "Team-managed" project for simplicity.
5. **Named the Project:** You named the project "Feedback Submission Portal", which is clearly visible at the top of your screenshot.

**Phase 2: Creating the User Stories**

You then translated the functional and non-functional requirements from the SRS into user-centric stories.

1. **Navigated to the Backlog:** You went to the "Backlog" view in your new Jira project. This is the master list for all pending tasks.
2. **Created the First User Story (Functional):**
   * You clicked the "+ Create" button.
   * You set the issue type to "Story".
   * In the summary, you wrote the first user story: **"As a user, I want to submit feedback through a simple form so that my opinion can be recorded."** This directly corresponds to requirements FR1, FR2, and FR3 from the Canvas.
3. **Created the Second User Story (Security):**
   * You clicked "+ Create" again.
   * You set the issue type to "Story".
   * You wrote the second user story: **"As a user viewing the portal, I want all submitted feedback displayed safely so that malicious scripts do not harm other users."** This directly addresses the key security requirement, NFR1, from the Canvas.

**Phase 3: Creating and Populating the Sprint Plan**

Your "sprint plan" is simply the set of user stories you commit to completing in the current work cycle (your lab session).

1. **Created a New Sprint:** In the Backlog view, you clicked the "Create sprint" button. This created a new container, likely named "FSP Sprint 1".
2. **Populated the Sprint:** You **dragged and dropped** both user stories from the general backlog area into the newly created sprint container. This action represents your commitment to completing these two items.

**Phase 4: Starting the Sprint to Create the Board**

The final step was to activate the sprint, which transforms the list of tasks into the visual Kanban-style board you screenshotted.

1. **Started the Sprint:** You clicked the "Start sprint" button.
2. **Generated the Board:** Jira automatically moved you to the "Board" view. This board, with its columns ("TO DO", "IN PROGRESS", "DONE"), is your visual sprint plan.
3. **Final Result:** Your two user stories appeared as cards in the "TO DO" column. This signifies that the work for the lab session has been planned and is ready to be started.







