

Department of Computer Engineering

Academic Term: First Term 2023-24

Class: T.E /Computer Sem – V / Software Engineering

Practical No:	2
Title:	Implementing Project using Scrum method on JIRA Tool
Date of Performance:	2-08-2023
Roll No:	9615
Team Members:	9609, 9643

Rubrics for Evaluation:

Sr. No	Performance Indicator	Excellent	Good	Below Average	Total Score
1	On time Completion & Submission (01)	01 (On Time)	NA	00 (Not on Time)	
2	Theory Understanding(02)	02(Correct)	NA	01 (Tried)	
3	Content Quality (03)	03(All used)	02 (Partial)	01 (rarely followed)	
4	Post Lab Questions (04)	04(done well)	3 (Partially Correct)	2(submitted)	

Signature of the Teacher:

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1. Creating a project

← Back to project types

Add project details

Explore what's possible when you collaborate with your team. Edit project details anytime in project settings.

Name *

Waste Management System

Access: Anyone with access to ore9615 can access and administer this project. Upgrade your plan to customize project permissions.

Key *

WMS

☐ Connect repositories, documents, and more
Sync your team's work from other tools with this project for better visibility, access, and automation.

Template

Change template

Scrum
Jira Software
Sprint toward your project goals with a board, backlog, and timeline.

Type

Change type

Team-managed
Control your own working processes and practices in a self-contained space.

Cancel Next

2 Creating an epic

Create issue

Project *

Waste Management System (WMS)

Issue type *

Epic

Learn more

Status ⓘ

To Do

This is the issue's initial status upon creation

Summary *

Waste Management System used by goverment authorities

Description

☐ Create another issue

Cancel Create

3. Creating a story

Create issue

Project*

Waste Management System (WMS)

Issue type*

Story

Status ⓘ

To Do

Summary*

Frontend development

Description

Create another issue

Cancel

Create

4. Assigning subtasks

Add epic / WMS-4

To Do

Actions

Description

Add a description...

Child issues

Order by

What needs to be done?

Choose an existing issue

Create

Cancel

Pinned fields

Click on the next to a field label to start pinning.

Add a comment...

Pro tip: press M to comment

5 Sprint

Start Sprint

1 issue will be included in this sprint.

Required fields are marked with an asterisk *

Sprint name *

WMS Sprint 1

Duration *

2 weeks

Start date *

8/6/2023 10:58 PM

End date *

8/20/2023 10:58 PM

Sprint goal

Start Cancel

The screenshot displays the Jira Software interface for a project named 'Waste Management System'. The main view is the 'WMS Sprint 1' board, which is currently in the 'TO DO 1' column. A single issue, 'Make Frontend' (WMS-4), is listed in the 'TO DO 1' column. The 'IN PROGRESS' and 'DONE' columns are currently empty. The left sidebar provides navigation options for the project, including 'Timeline', 'Backlog', and 'Board'. The top navigation bar shows the Jira Software logo and various project management tools. The bottom status bar indicates the system temperature is 28°C, the search bar is active, and the date is 06-08-2023.

Postlab:

a) Assess the effectiveness of the Scrum framework for managing software development project compared to traditional project management methodologies?

Sol:- The main difference between scrum and traditional project management methodologies can be summed up as fixed scope vs. iterative decision making. Classic project management calls for project managers to look at the development as a whole whereas Scrum has no problem dividing it up into segments. Unlike classic project management methods, Scrum focuses more on personal responsibility.

Scrum Framework management	Traditional Project Management
Emphasizes flexibility and adaptability	Emphasizes planning and predictability
Prioritizes customer satisfaction and working software	Prioritizes following a strict plan and meeting project requirements
Linear	Iterative
Large-scale	Small and Medium scale
Life cycle model	Evolutionary delivery model
Self-organizing teams	Hierarchically organized teams
Cross-functional teams	Functionally divided teams

b) Analyse a Sprint Backlog in JIRA and identify any potential bottlenecks or issues that might hinder the team's progress during the sprint?

Sol:- The backlog of a Scrum board shows the issues for your project grouped into a backlog and sprints. In the Scrum backlog, you can create and update issues, drag and drop issues to rank them, or assign them to sprints, epics, or versions, manage epics, and more. You'd typically use the Scrum backlog when building a backlog of issues, planning a new version, and planning a sprint. An issue will only be visible in the Scrum backlog if:

1. the issue isn't a subtask,
 2. the issue matches the board's saved filter,
 3. the issue's status maps to one of the board's columns (but not the Done column), and
 4. there's at least a status being mapped to the right-most column.
- For example, if you have the columns To Do, In Progress, and Done, ensure that you have a status mapped to In Progress at least. If you map all the statuses to the first (To Do) column, you won't see any issues in the Scrum backlog.

c) Evaluate the role of the Scrum Master in handling conflicts within the development team and resolving impediments to maintain a smooth project flow?

Sol:- A Scrum Master (Scrum Master), popularly known as the “servant leader” is a coach, motivator and leader of an Agile team. The role of a Scrum Master is to educate the team on Agile processes and help team members follow Scrum practices religiously. A good Scrum Master helps to establish a high-performing team dynamic, a continuous flow, and an exponential improvement in processes. They are required to play a pivotal role and are responsible for the progressive development of a Scrum team. The Scrum Master collaborates both with the Product Owner (PO) who focuses on building the right product, and the development team that focuses on building the product right. A Scrum Master’s job is essentially to help everyone understand and imbibe Scrum values, principles, and practices and get the best product out to the customer. To facilitate conflict management in Scrum teams, Scrum masters can create and maintain a safe and positive team environment, model and promote behaviors and attitudes that foster constructive conflict, educate and empower the team to prevent, minimize, and resolve conflict, mediate and facilitate the conflict resolution process when needed, provide feedback and guidance to the team and the individuals on how to improve their conflict management skills, and encourage and support the team to leverage conflict for improvement.