

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:	1/08/2023
Roll No:	9641
Team Members:	

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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Signature of the Teacher:

1. Creating a project

Create project

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

* indicates a required field.

Name *

SAMACHAAR

Template



Blank project

Jira Work Management
Start fresh with a blank business project template.

More templates

Show more

Cancel

Create project



Added people to project

You have added **2 people** to your project and **2 new licenses** have been added to Jira.



crce.9641.ce@gmail.com New to Jira
crce.9641.ce@gmail.com



crce.9646.ce@gmail.com New to Jira
crce.9646.ce@gmail.com

You can manage their project access to the project from the Project settings.

Manage Jira users in [User management](#).

Project Settings

Ok

2 Creating an epic

Create issue

Project *

My Kanban Project (KAN)

1

Import issues

...

Issue type *

Epic

[Learn more](#)

Status ⓘ

To Do

This is the issue's initial status upon creation

Summary *

Samachaar news portal

Description

Normal text **I** ...

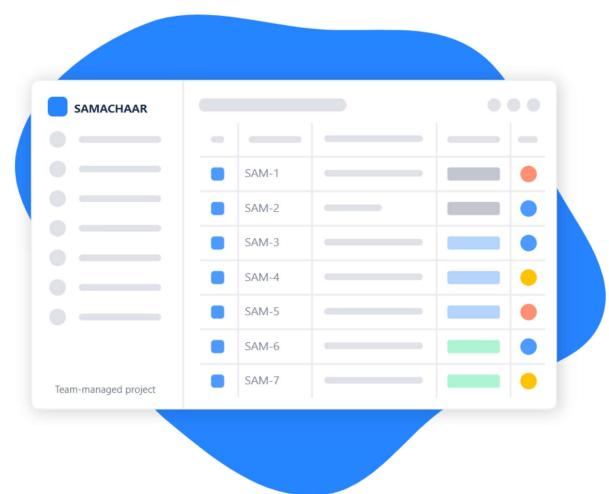
Create another issue

Cancel

Create



1



3.Creating a story

front-end development — ↗ ✖

Project * Placement site (PS)

Issue type * Story Status TO DO

Learn more

Summary * front-end development

Description

Aa v B I ... A v :≡ v + v f

4.Assigning subtasks

Projects / My Kanban Project / Project settings / Issue types

Subtask

Edit workflow

api for the news

Description fields ⓘ

Aa Summary REQUIRED

≡ Description

Default description

Normal text v B I ... :≡ :≡ ⌂ @ ☺ ↵ ⓘ “ –

searching a good API for the news to display on portal

Required Remove

Context fields ⓘ

Give feedback Discard Save changes

5 Sprint

Start Sprint

2 issues will be included in this sprint.

Required fields are marked with an asterisk *

Sprint name *

Duration *

2 weeks

Start date *

8/6/2023 2:33 PM x

End date *

8/20/2023 2:33 PM

Sprint goal

Start

Cancel

The screenshot shows a Jira software interface with a "PS board - Agile board - Jira" tab open. The left sidebar includes links for "Placement site Software project", "Planning", "Timeline", "Backlog", "Board" (which is selected), "Development", "Code", "Project pages", "Add shortcut", and "Project settings". A message at the top says, "Does your team need more from Jira? Get a free trial of our Standard plan." The main area displays a "PS Sprint 1" board with three columns: "IN PROGRESS" and "DONE 1" under the "Planned" column, and "front-end development" under the "DONE 1" column. A "What's due in Jira?" quickstart panel is visible on the right.

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