

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:	31st July 2023
Roll No:	9539
Team Members:	Crystal, Sanika R, Sanika P, Janice, Sania

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:

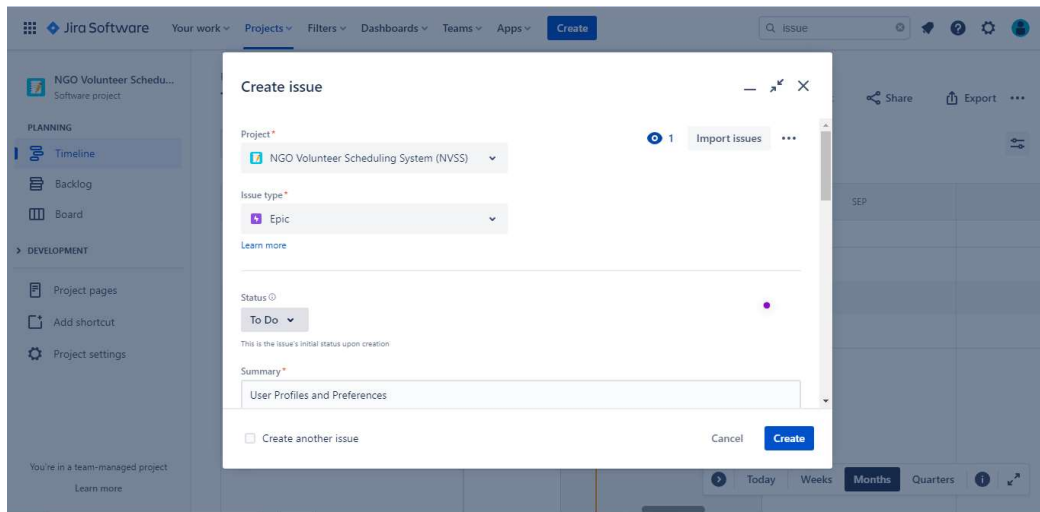
Department of Computer Engineering

Academic Term: First Term 2022-23

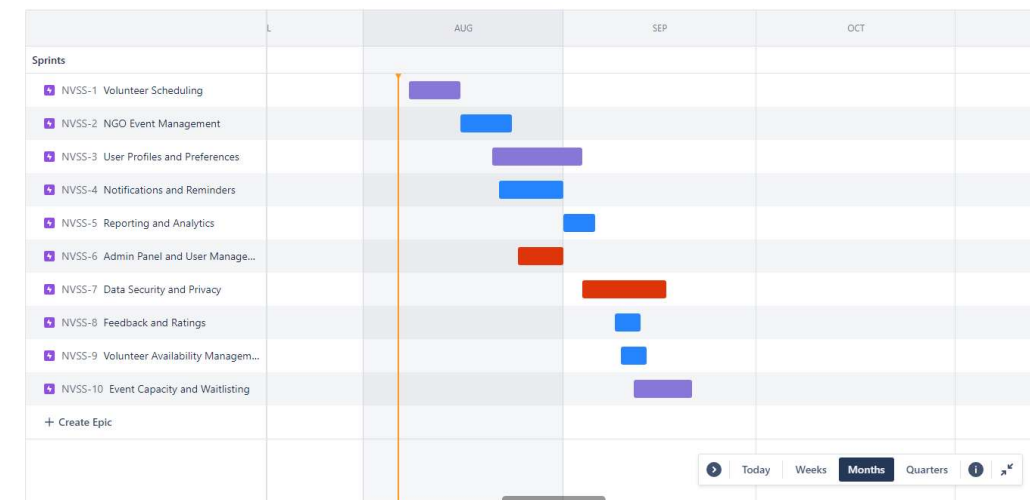
Class: T.E /Computer Sem – V / Software Engineering

Signature of the Teacher:

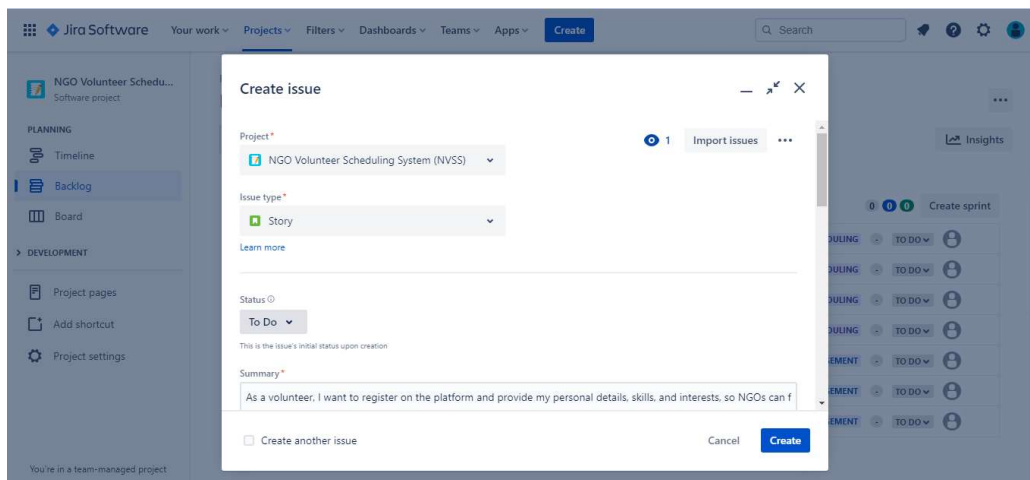
CREATING AN EPIC



VIEWING ALL EPICS CREATED



CREATING STORIES



VIEWING ALL STORIES

Projects / NGO Volunteer Scheduling System

Backlog

Search [] Epic [] Insights []

Story ID	Description	Category	Status	Assignee
NVSS-20	As an NGO coordinator, I want to manage and update my organization's profile, ...	USER PROFILES AND PREFERENCES	TO DO	[Avatar]
NVSS-21	As a volunteer, I want to receive event notifications with details such as event dat...	NOTIFICATIONS AND REMINDERS	TO DO	[Avatar]
NVSS-22	As a volunteer, I want to receive reminders about upcoming events, so I don't mis...	NOTIFICATIONS AND REMINDERS	TO DO	[Avatar]
NVSS-23	As an NGO coordinator, I want to send notifications to volunteers with event up...	NOTIFICATIONS AND REMINDERS	TO DO	[Avatar]
NVSS-24	As an admin, I want to generate reports on volunteer engagement, event success, an...	REPORTING AND ANALYTICS	TO DO	[Avatar]
NVSS-25	As an admin, I want to analyze event participation data to identify areas for improv...	REPORTING AND ANALYTICS	TO DO	[Avatar]
NVSS-26	As an admin, I want to have access to an admin panel to manage user account...	ADMIN PANEL AND USER MANAG...	TO DO	[Avatar]
NVSS-27	As an admin, I want to create and manage user roles and permissions, so the ri...	ADMIN PANEL AND USER MANAG...	TO DO	[Avatar]
NVSS-28	As a user, I want my personal information to be protected with strong data security ...	DATA SECURITY AND PRIVACY	TO DO	[Avatar]
NVSS-29	As a user, I want the platform to comply with data protection regulations, such as G...	DATA SECURITY AND PRIVACY	TO DO	[Avatar]
NVSS-30	As a volunteer, I want to provide feedback on the events I participate in, to help NGOs l...	FEEDBACK AND RATINGS	TO DO	[Avatar]

You're in a team-managed project. [Learn more](#)

CREATING A BUG

Projects / NGO Volunteer Scheduling System

Backlog

Search [] Epic [] Insights []

Project: NGO Volunteer Scheduling System (NVSS)

Issue type: Bug

Status: To Do

Summary: User Interface Bug

☐ Create another issue

Cancel Create

You're in a team-managed project. [Learn more](#)

VIEWING BUGS

Projects / NGO Volunteer Scheduling System

Backlog

Search [] Epic [] Type [Bug] Clear filters [] Insights []

▼ NVSS Sprint 1 Add dates (0 issues) Start sprint []

Plan your sprint
Drag issues from the **Backlog** section, or create new issues, to plan the work for this sprint. Select **Start sprint** when you're ready.

+ Create Issue

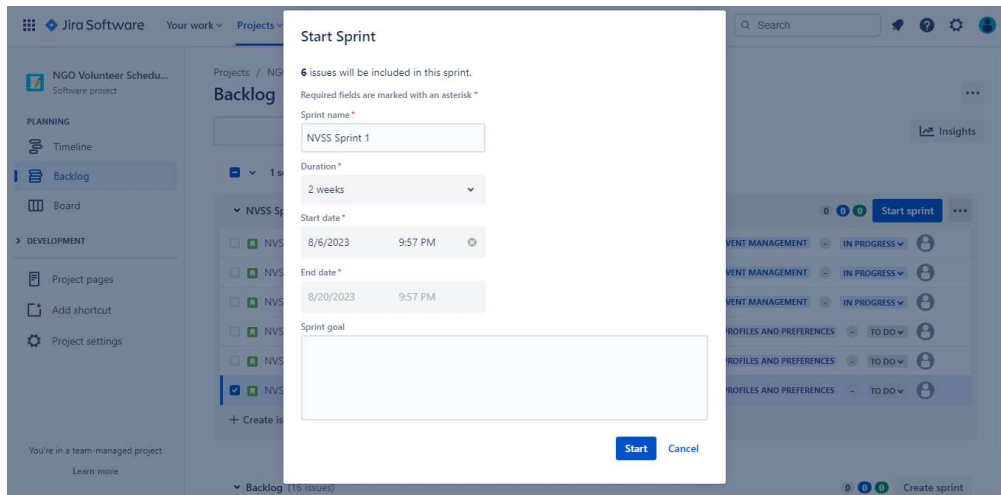
▼ Backlog (1 of 22 issues visible) Create sprint []

Issue ID	Description	Status	Assignee
NVSS-36	User Interface Bug	TO DO	[Avatar]

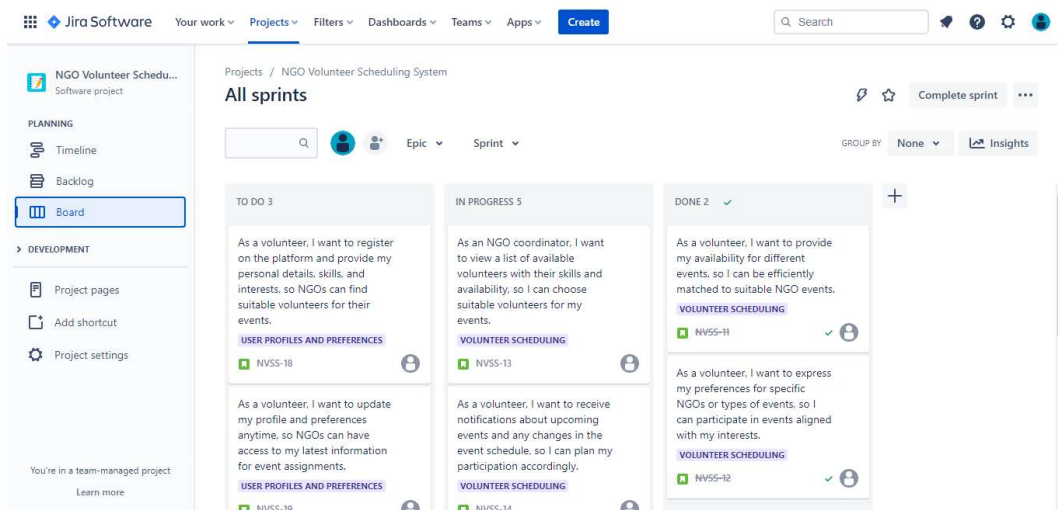
+ Create Issue

You're in a team-managed project. [Learn more](#)

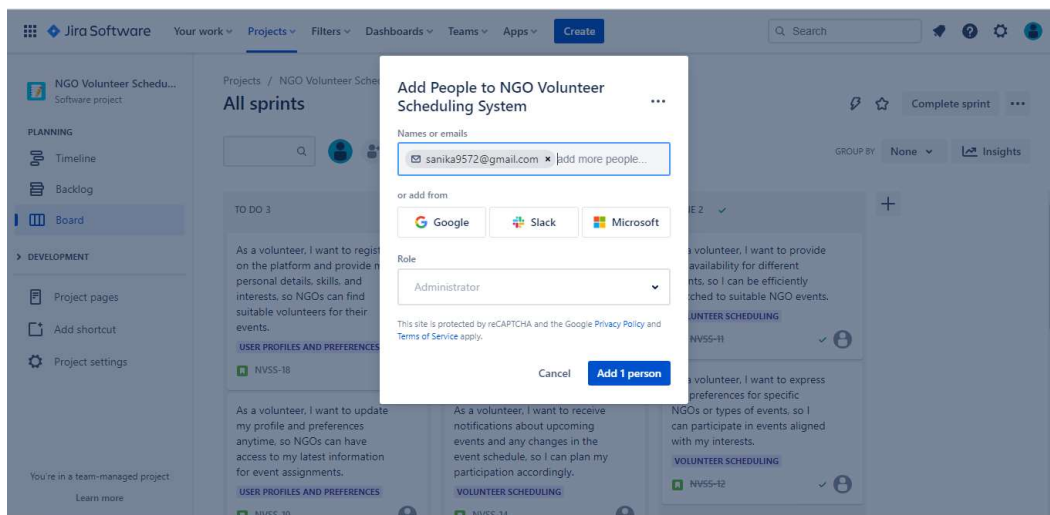
STARTING A SPRINT



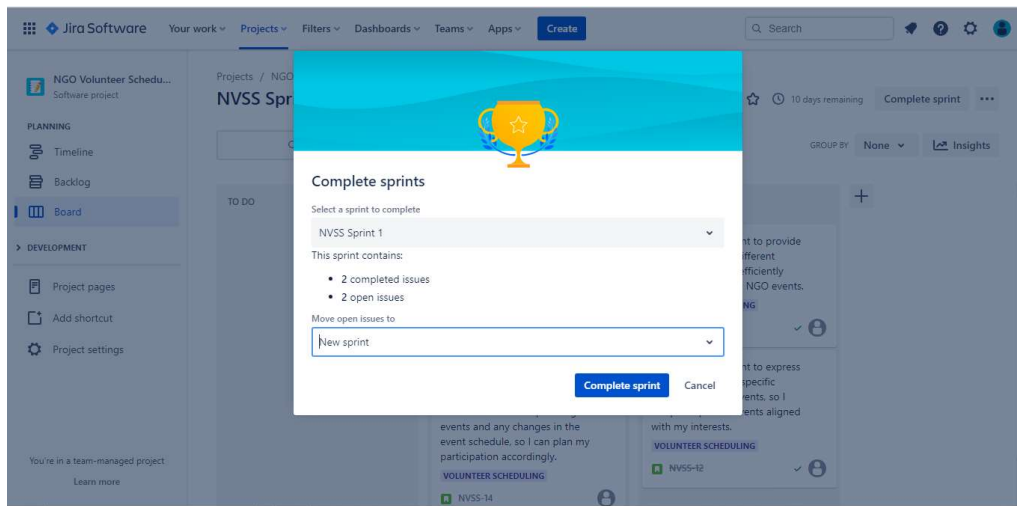
VIEWING ALL SPRINTS



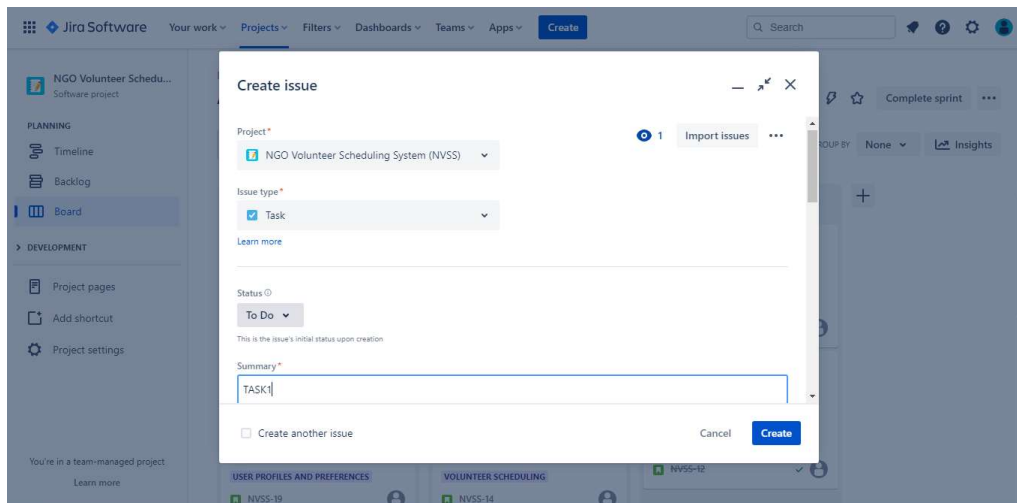
ADDING AS ADMINISTRATOR



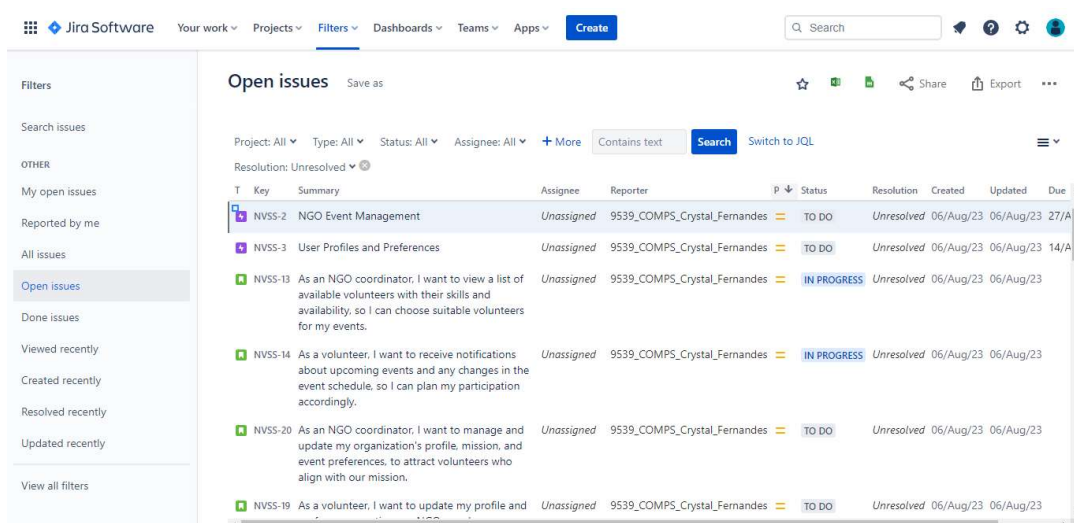
ON COMPLETING NEW SPRINTS



CREATING A SAMPLE TASK



VIEWING ALL ISSUES



POSTLAB

a) Assessing the effectiveness of the Scrum framework:

Scrum Pros:

- Iterative and incremental development approach allows for flexibility and adaptability to changing requirements.
- Regular feedback loops during Sprint Reviews and Retrospectives enable continuous improvement.
- Emphasis on self-organizing teams promotes ownership and accountability.
- Clear roles (Product Owner, Scrum Master, Development Team) help in better project governance.
- Encourages transparency and visibility into project progress through artifacts like Product Backlog and Burndown Charts.

Scrum Cons:

- May not be suitable for projects with fixed scope and strict deadlines.
- High reliance on team collaboration may pose challenges when team members are distributed or unavailable.
- Continuous client involvement and feedback may be demanding for clients with limited availability.
- Documentation might be limited, which can be problematic for compliance-heavy industries.
- Success highly depends on the experience and commitment of the team.

b) Analyzing a Sprint Backlog in JIRA:

- Identify tasks with long duration or high complexity, as they might cause delays during the Sprint.
- Check for dependencies between tasks, as any blockage can slow down progress.
- Look for tasks with multiple assignees or unclear ownership, which may lead to confusion.
- Evaluate if there are any unanticipated external dependencies or resource constraints affecting the Sprint.
- Review the completeness and clarity of task descriptions to avoid misunderstandings and rework.

c) Evaluating the role of the Scrum Master:

- Conflict Resolution: Scrum Master facilitates open communication, encouraging team members to address conflicts constructively. They may conduct team-building exercises or mediate discussions to find resolutions.
- Impediment Removal: Scrum Master identifies obstacles that hinder progress and collaborates with the team to remove them. They may escalate unresolved issues to higher management if needed.
- Servant Leadership: Scrum Master ensures that the team has the resources, environment, and support they need to succeed. They lead by example, promoting the Scrum values and principles.

- Coaching and Guidance: Scrum Master provides coaching and mentoring to team members, Product Owner, and stakeholders, helping them understand and adopt Scrum practices effectively.
- Process Improvement: Scrum Master facilitates retrospectives to analyze past performance and drive continuous improvement. They experiment with process changes to enhance productivity and team morale.