

**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:	31-07-23
Roll No:	9572
Team Members:	Crystal Fernandes-9539 Sanika Rozario-9572 Sanika Patankar-9563 Sania Almeida-9587 Janice D’cruz-9528

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)	

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4	Post Lab Questions (04)	04(done well)	3 (Partially Correct)	2(submitted)	
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CREATING AN EPIC

The screenshot shows the Jira 'Create issue' dialog for the 'NGO Volunteer Scheduling System (NVSS)' project. The 'Issue type' is set to 'Epic'. The 'Status' is 'To Do'. The 'Summary' is 'User Profiles and Preferences'. The 'Create another issue' checkbox is unchecked. The 'Create' button is visible at the bottom right.

Project: NGO Volunteer Scheduling System (NVSS)

Issue type: Epic

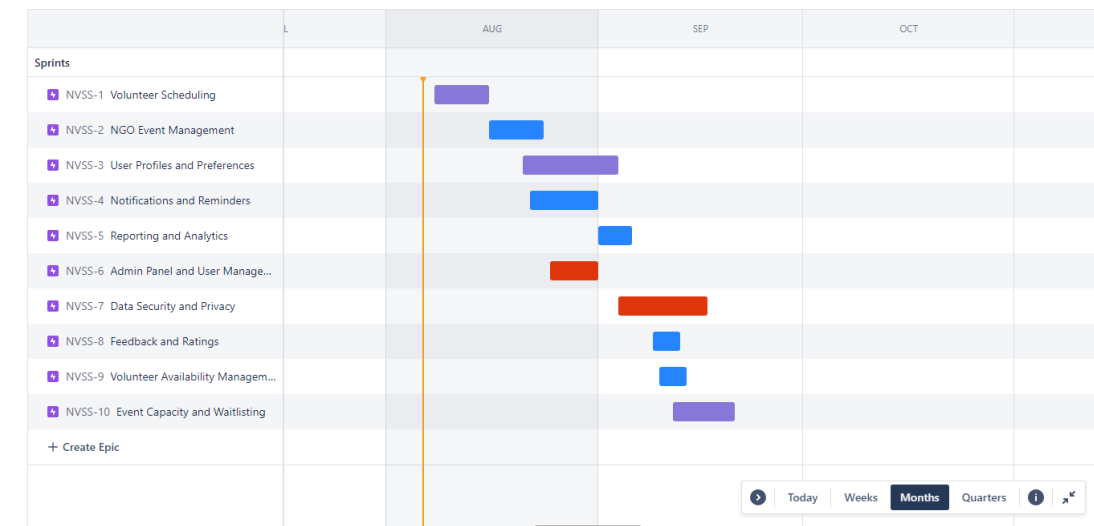
Status: To Do

Summary: User Profiles and Preferences

☐ Create another issue

Cancel Create

VIEWING ALL EPICS CREATED



CREATING STORIES

The screenshot shows the Jira 'Create issue' dialog for the 'NGO Volunteer Scheduling System (NVSS)' project. The 'Issue type' is set to 'Story'. The 'Status' is 'To Do'. The 'Summary' is 'As a volunteer, I want to register on the platform and provide my personal details, skills, and interests, so NGOs can f...'. The 'Create another issue' checkbox is unchecked. The 'Create' button is visible at the bottom right.

Project: NGO Volunteer Scheduling System (NVSS)

Issue type: Story

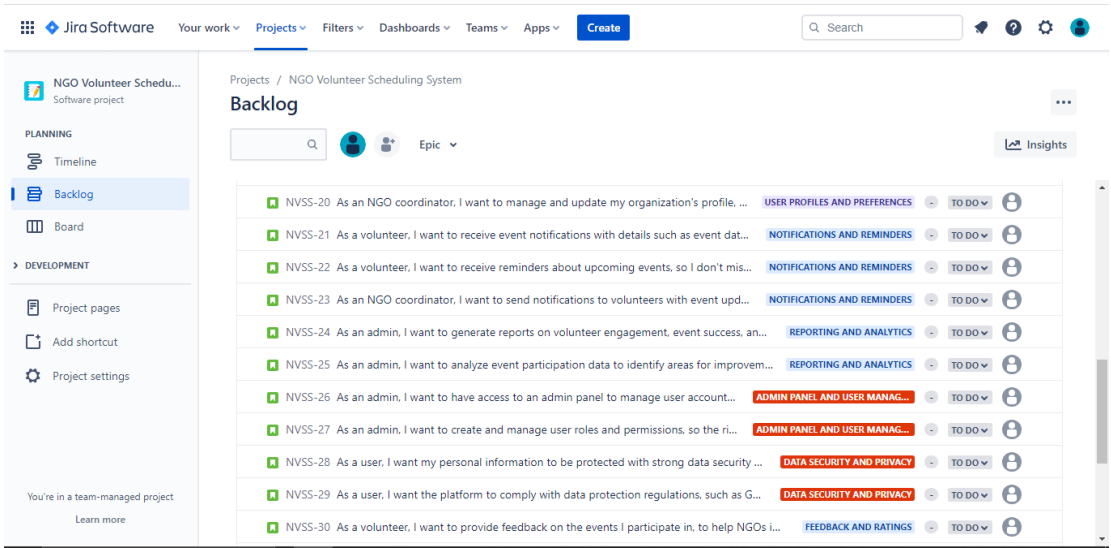
Status: To Do

Summary: As a volunteer, I want to register on the platform and provide my personal details, skills, and interests, so NGOs can f...

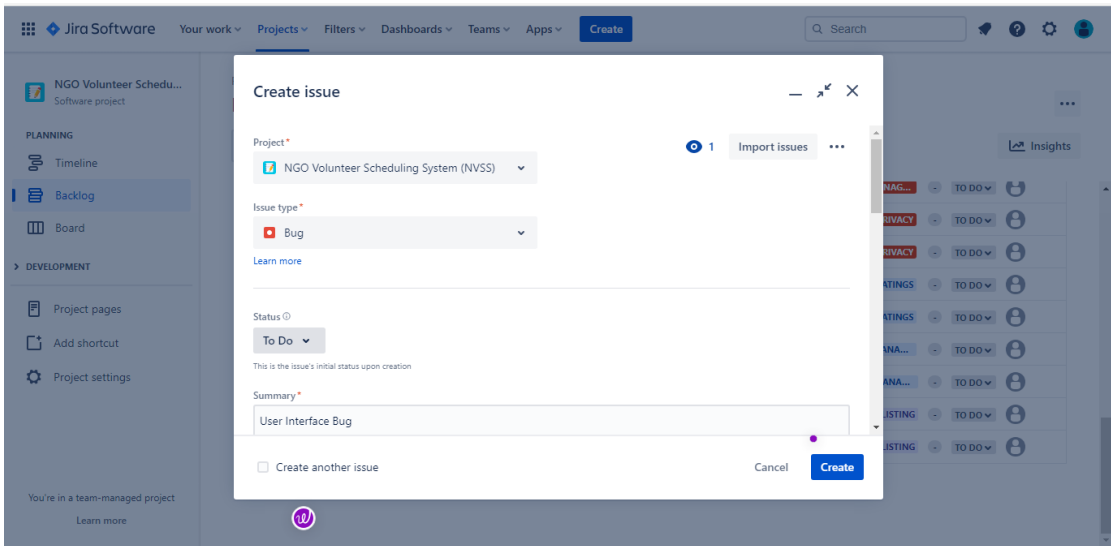
☐ Create another issue

Cancel Create

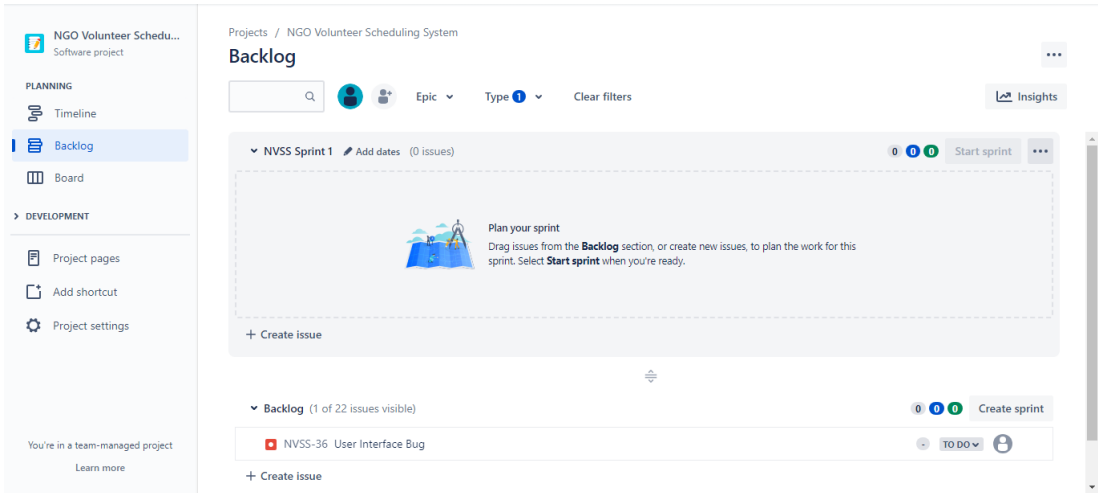
VIEWING ALL STORIES



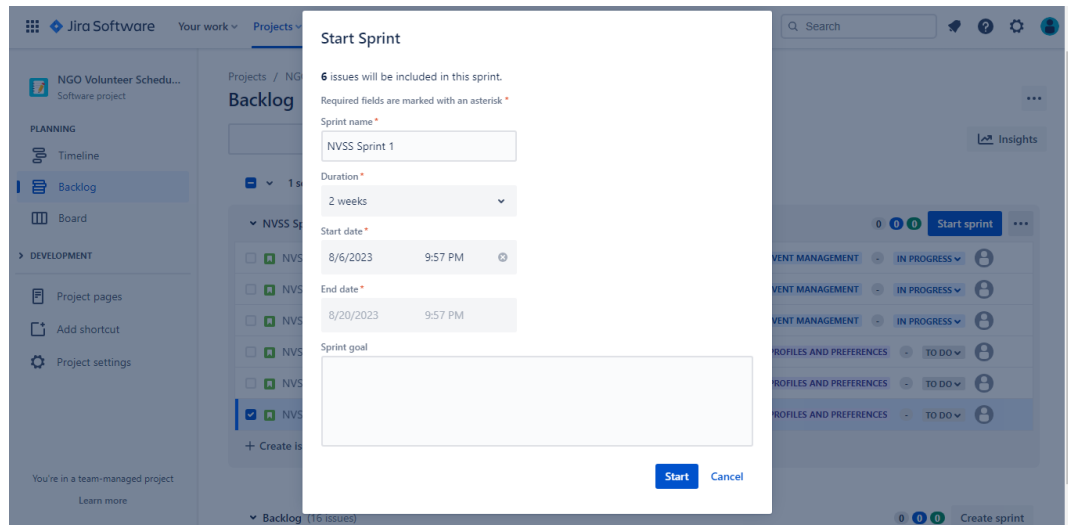
CREATING A BUG



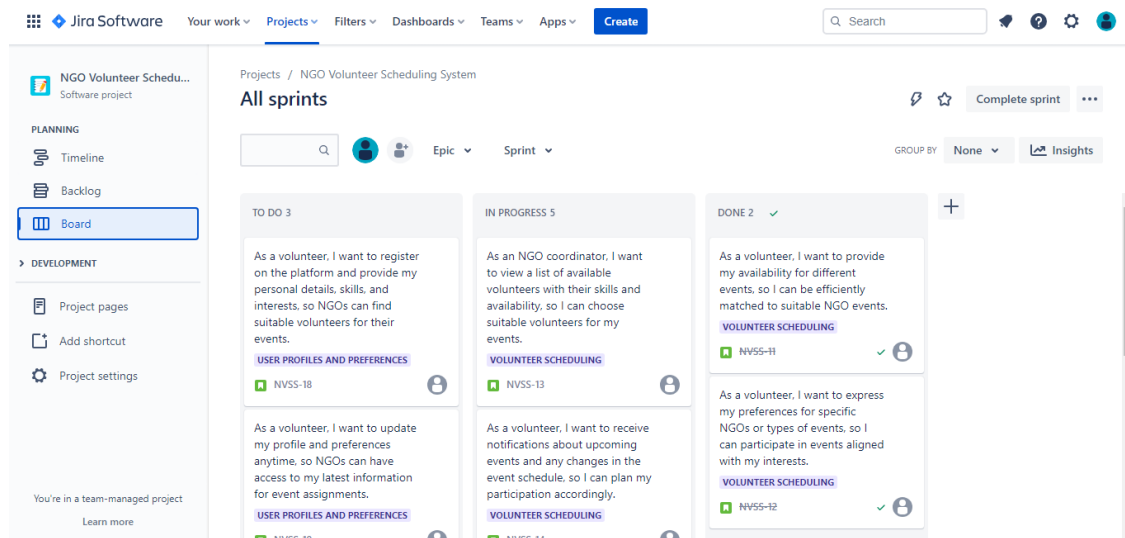
VIEWING BUGS



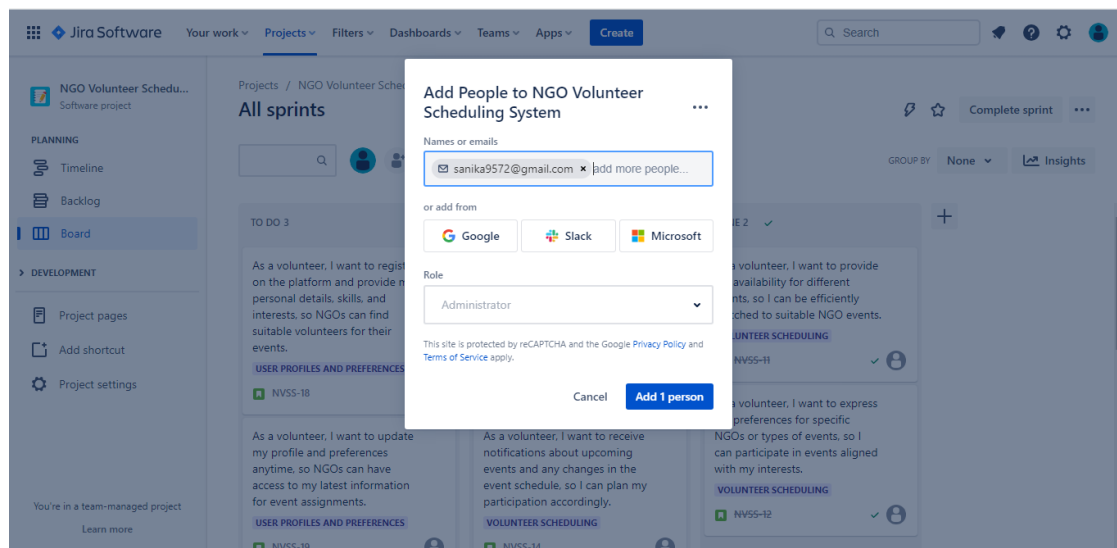
STARTING A SPRINT



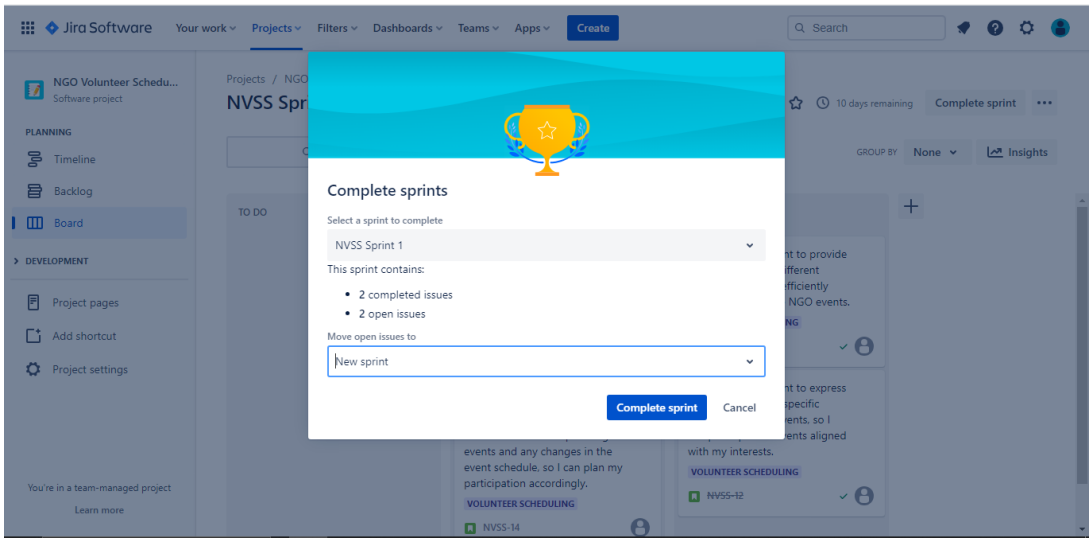
VIEWING ALL SPRINTS



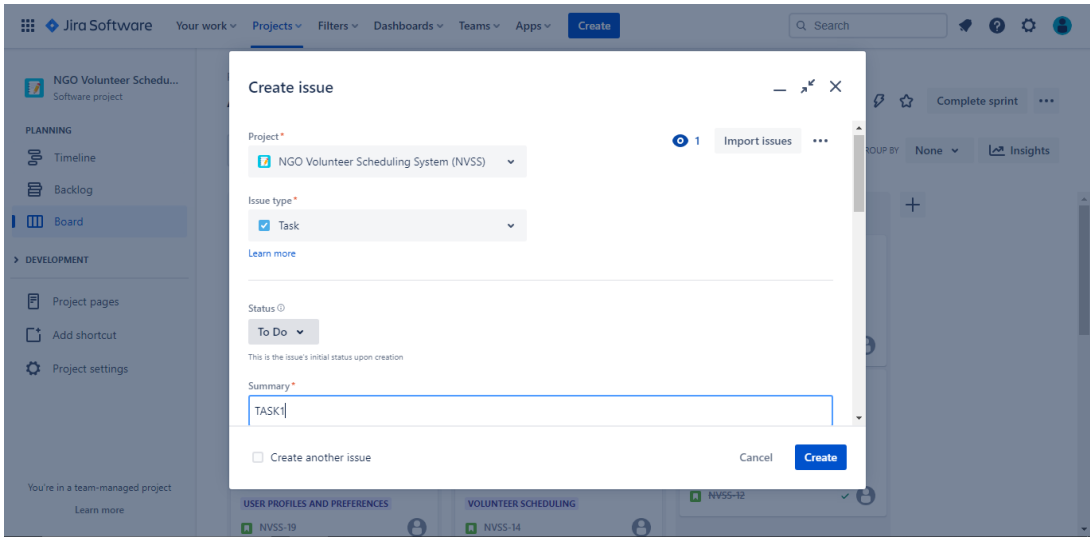
ADDING AS ADMINISTRATOR



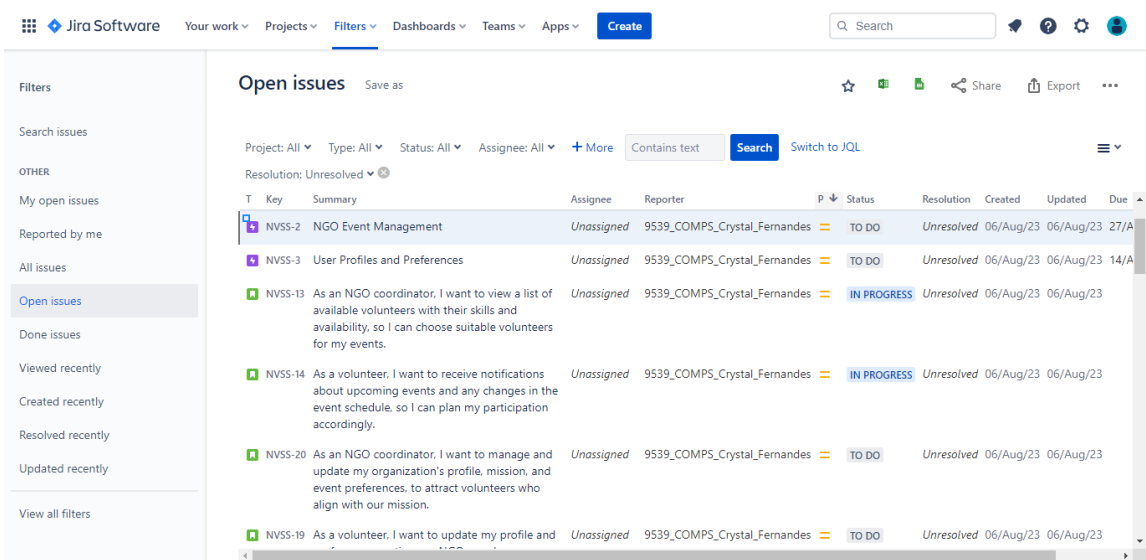
ON COMPLETING NEW SPRINTS



CREATING A SAMPLE TASK



VIEWING ALL ISSUES



POSTLAB

a) Assessing the effectiveness of the Scrum framework:

The Scrum framework has proven to be effective in many software development projects:

1. Iterative Approach: Scrum's iterative development allows for continuous feedback and adaptation, leading to more accurate deliverables.
2. Increased Collaboration: Scrum promotes collaboration among team members, stakeholders, and customers, fostering better communication and shared understanding.
3. Transparency: With regular meetings and progress tracking, Scrum ensures transparency, making it easier to identify and address issues promptly.
4. Flexibility: Scrum allows teams to adapt to changing requirements and priorities during development, improving responsiveness to market needs.
5. Customer Satisfaction: Prioritising features based on customer feedback leads to higher customer satisfaction and improved product relevance.
6. Faster Delivery: Scrum's time-boxed sprints encourage faster development and regular product increments, accelerating time-to-market.
7. Risk Mitigation: Early identification of risks and regular reviews enable proactive risk management, reducing the impact of potential issues.
8. Continuous Improvement: Scrum's retrospective meetings foster a culture of continuous improvement, allowing teams to refine their processes continually.
9. Empowered Teams: Scrum empowers self-organising teams, increasing motivation and accountability, resulting in higher-quality deliverables.
10. Measurable Progress: Scrum's emphasis on defined sprint goals and frequent demonstrations allows for measurable progress tracking throughout the project.

b) Analysing a Sprint Backlog in JIRA:

Analysing a Sprint Backlog in JIRA involves reviewing the list of tasks and user stories that the development team committed to completing during a specific sprint. It includes checking task statuses, tracking progress, identifying any blockers, and ensuring that the team is on track to achieve the sprint goals. JIRA provides real-time visibility into the sprint's progress through various charts and reports, facilitating effective project management and decision-making.

c) Evaluating the role of the Scrum Master:

The Scrum Master plays a crucial role in the Scrum framework, acting as a facilitator and coach for the development team. Their responsibilities include ensuring the team follows Scrum principles and practices, removing impediments that hinder progress, facilitating meetings, and promoting a collaborative and self-organizing team environment. The Scrum Master also helps in resolving conflicts, maintaining a focus on continuous improvement, and shielding the team from external distractions, enabling efficient and successful project delivery.