

Experiment No. 3

SEMESTER: V (2024-2025)

DATE OF DECLARATION: 22-07-24

SUBJECT: SE

DATE OF SUBMISSION: 29-07-24

NAME OF THE STUDENT: Shaun Menezes

ROLL NO: 40

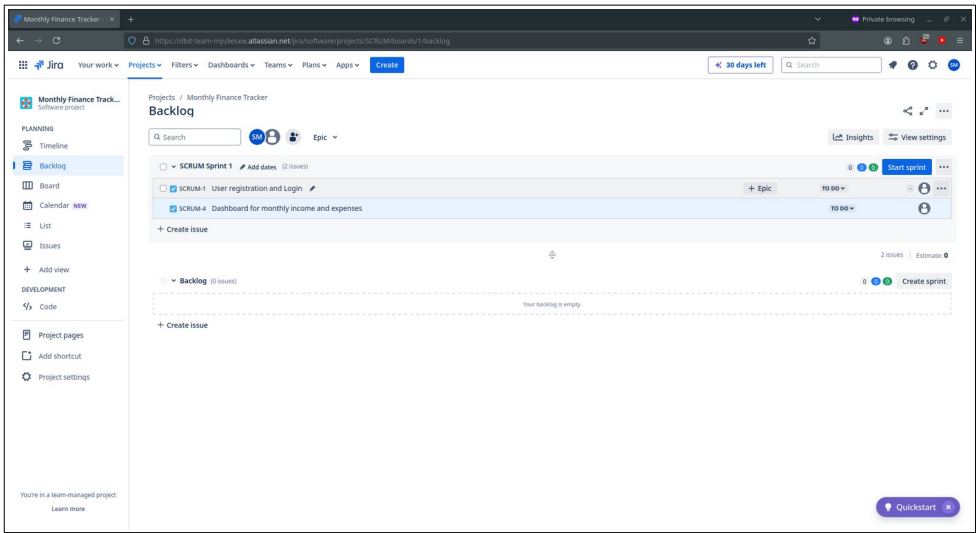
AIM	To use project management tool to prepare a plan for “Monthly Finance Tracker”
LEARNING OBJECTIVE	The student will select modern project management tool necessary for software engineering practice.
LEARNING OUTCOME	Students will be able to Use various software engineering tools.
COURSE OUTCOME	CSL601.5: Students will be able to Use various software engineering tools.
PROGRAM OUTCOME	PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
BLOOM'S TAXONOMY LEVEL	Understand Analyze Evaluate
THEORY	Scrum is an iterative and incremental agile software development methodology for managing product development. It defines a flexible, holistic product development strategy where a development team works as a unit to reach a common goal, challenges assumptions of the traditional, sequential approach., to product development, and enables teams to self-organize by encouraging physical co-location or close online collaboration of all team members, as well as daily face-to-face communication among all team members and disciplines in the project.

A key principle of scrum is its recognition that during a project the customers can change their minds about what they want and need (often called “requirements churn”), and that non predicted challenge cannot be easily addressed in a traditional predictive or planned manner. As such, scrum adopts an empirical approach accepting that the problem cannot be fully understood or defined, focusing instead on maximizing the team’s ability to deliver quickly and respond to emerging requirements.

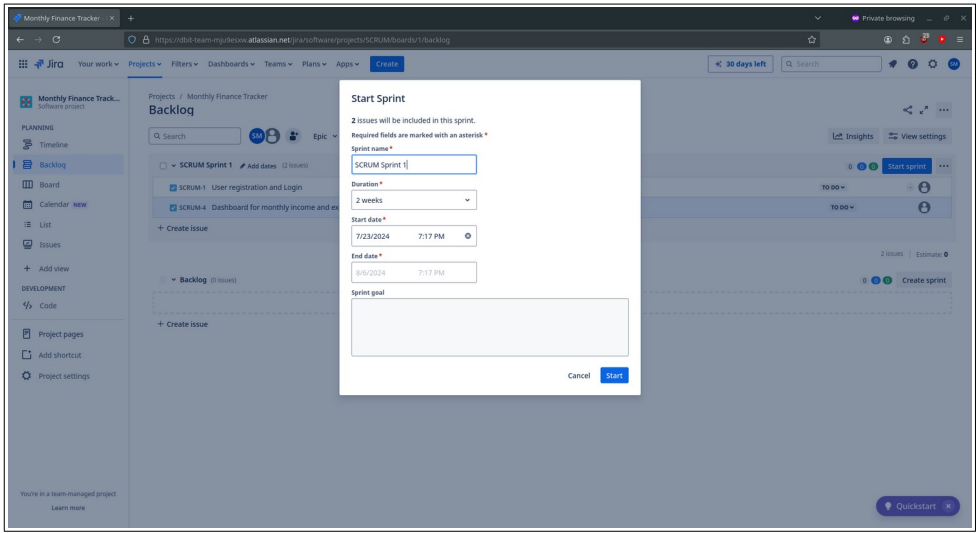
LAB EXERCISE

To utilize the scrum methodology for the “Monthly Finance Tracker” Project, Jira Atlassian tool is used. This tools has a user interface that incorporates the various scrum ideologies like user stories, backlogs, timeline and sprints.

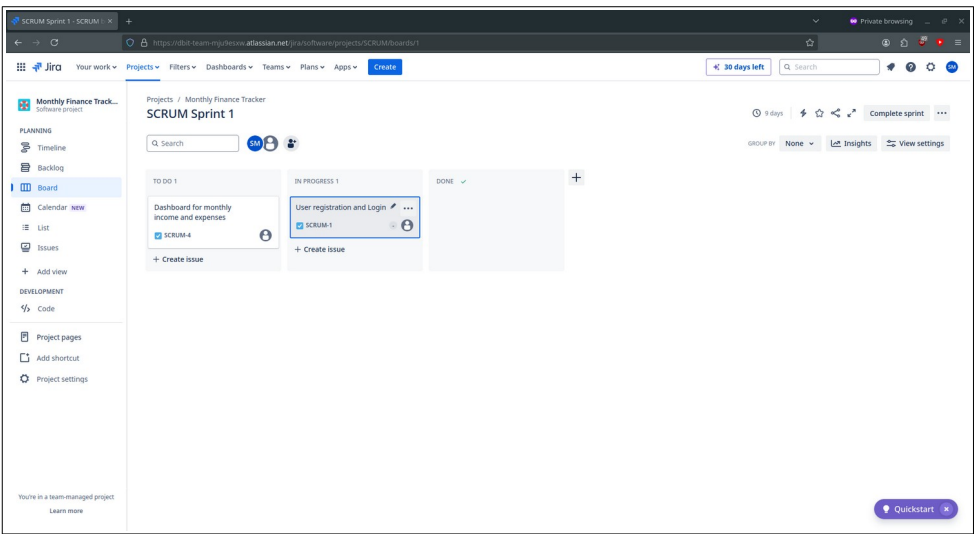
1. Create Backlog



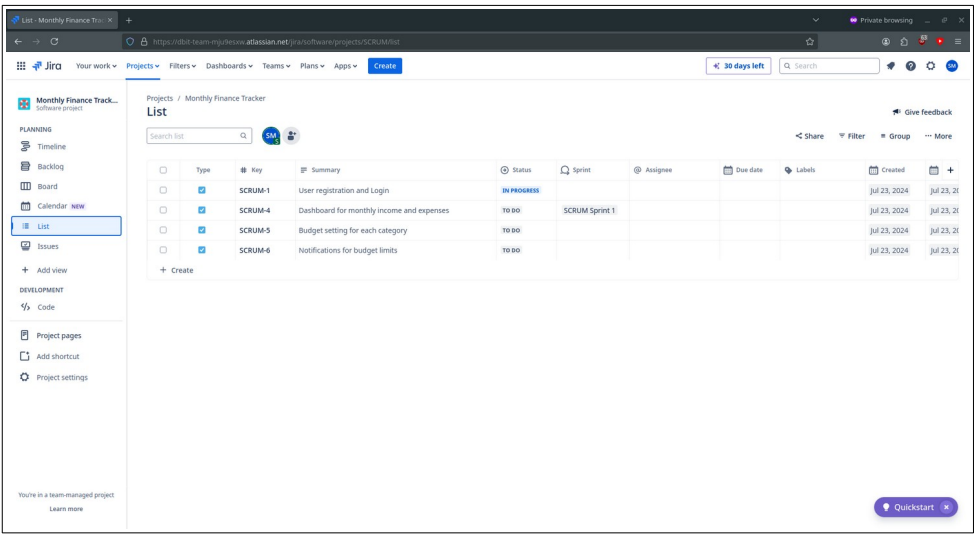
2. Start Sprint



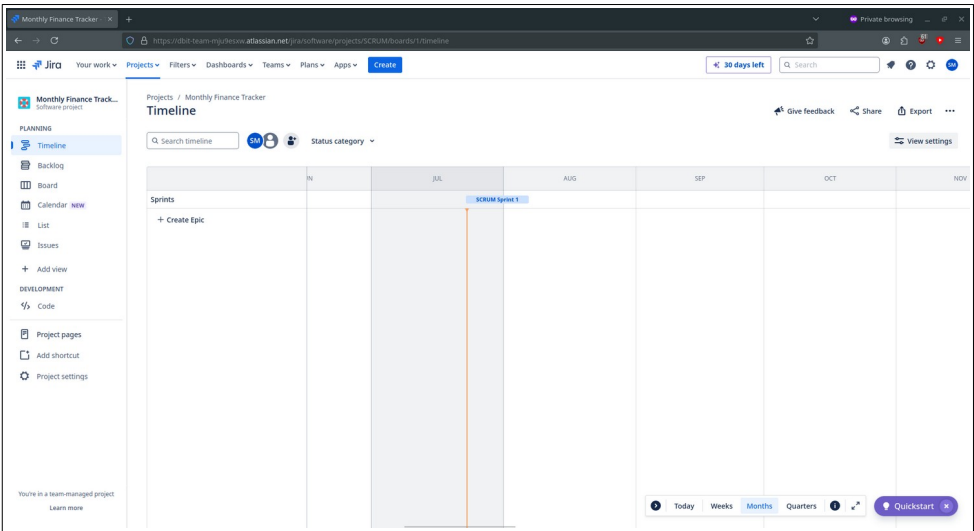
3. Board



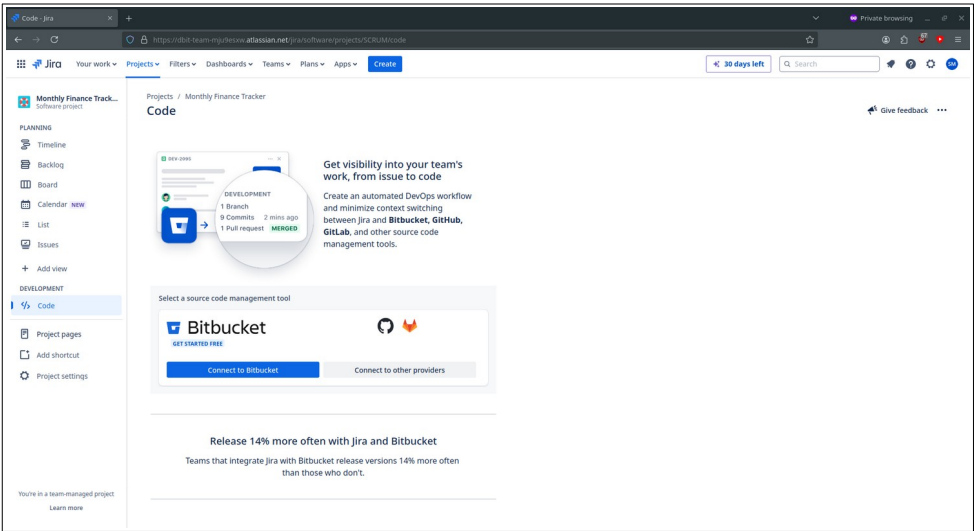
4. List



5. Timeline



6. Code



REFERENCES

1. Ian Somerville, Software Engineering, 9th edition, Addison Wesley, 2011
2. Roger Pressman, Software Engineering: A Practitioners Approach, (6th Edition), McGraw Hill, 2010
3. Write the name of at least three website you have referred for the tool.