Project Planning Phase

Date	18-11-2022
PNT2022TMID03218	PNT2022TMID03218
Project Name	IOT Based Real-Time River Water Quality Monitoring and Control System
Maximum Marks	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Parameter gathering	USN-1	User can view various parameters in the dashboard	20	High	Sruthi R Varthayini R Vengadesh K
Sprint-2	Code modification, UI design	USN-2	User in order to view the params, the data has to be put to the cloud. And for legible understanding, a good UI is essential	20	High	Velmurugan R Vallimaharajan G
Sprint-3	Using API for temperature and other data	USN-3	User can view various weather related params by entering the latitude and longitude.	20	High	Velmurugan R
Sprint-4	Using API for temperature and other data Testing	USN-4	User can view various weather related params by entering city name alone	20	High	Velmurugan R

Project Tracker, Velocity & Burndown Chart:

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	09 Nov 2022	20	09 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	12 Nov 2022	13 Nov 2022	20	13 Nov 2022

Velocity:

Sprint 1: 1 user story x 20 story points = 20

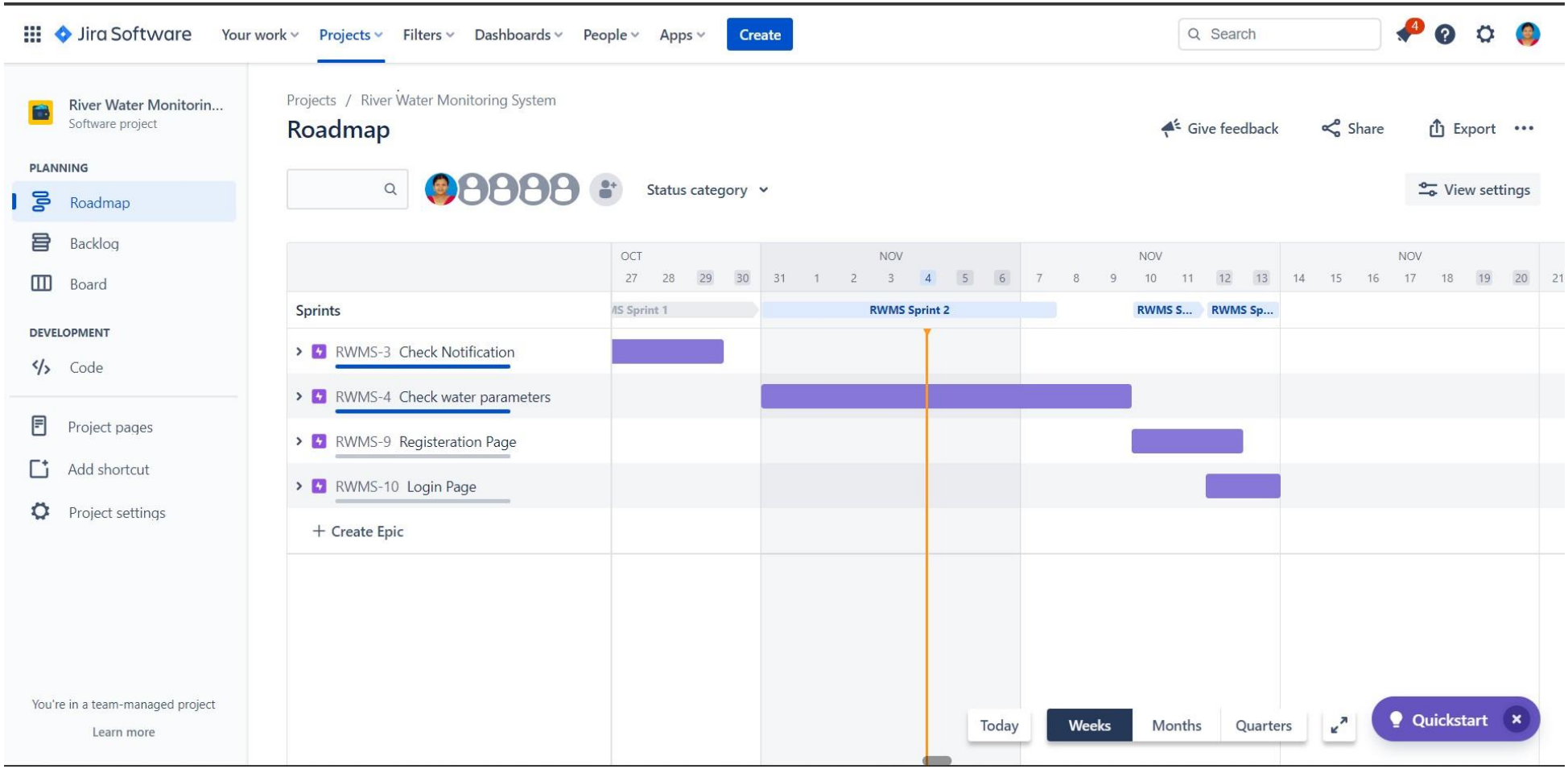
Sprint 2: 1 user story x 20 story points = 20

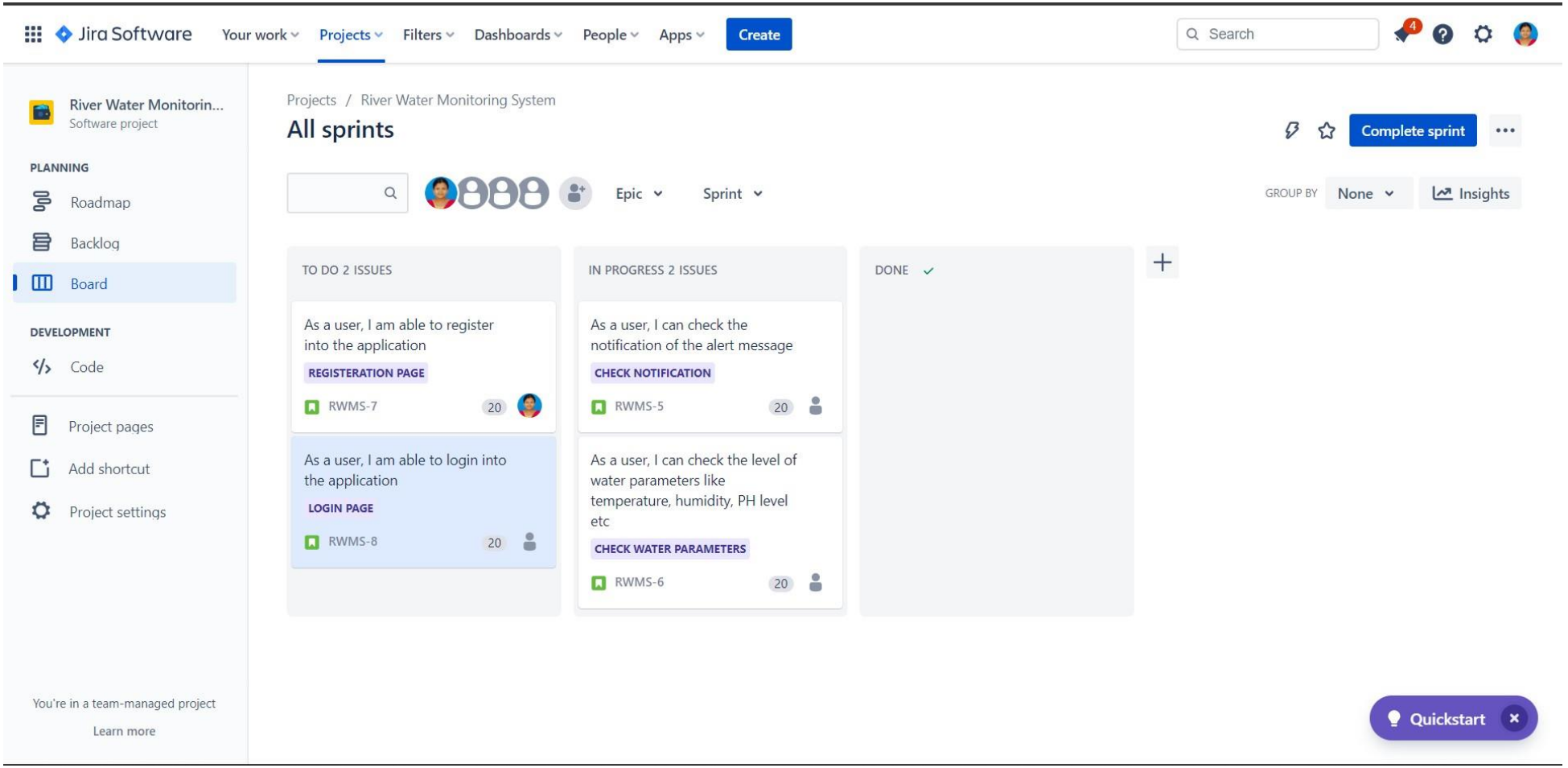
Sprint 3: 1 user story x 20 story points = 20

Sprint 4: 1 user story x 20 story points = 20

Total = 80
Average Sprint Velocity = 80 / 4 = 20

JIRA ROAD MAP AND BOARD




Jira Software
Your work
Projects
Filters
Dashboards
People
Apps
Create
Search
River Water Monitorin...
Software project
PLANNING
Roadmap
Backlog
Board
DEVELOPMENT
Code
Project pages
Add shortcut
Project settings
You're in a team-managed project
Learn more
Projects / River Water Monitoring System
All sprints
Complete sprint
Epic
Sprint
GROUP BY
None
Insights
TO DO 2 ISSUES
As a user, I am able to register into the application
REGISTERATION PAGE
RWMS-7
20
As a user, I am able to login into the application
LOGIN PAGE
RWMS-8
20
IN PROGRESS 2 ISSUES
As a user, I can check the notification of the alert message
CHECK NOTIFICATION
RWMS-5
20
As a user, I can check the level of water parameters like temperature, humidity, PH level etc
CHECK WATER PARAMETERS
RWMS-6
20
DONE
Quickstart

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.