Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

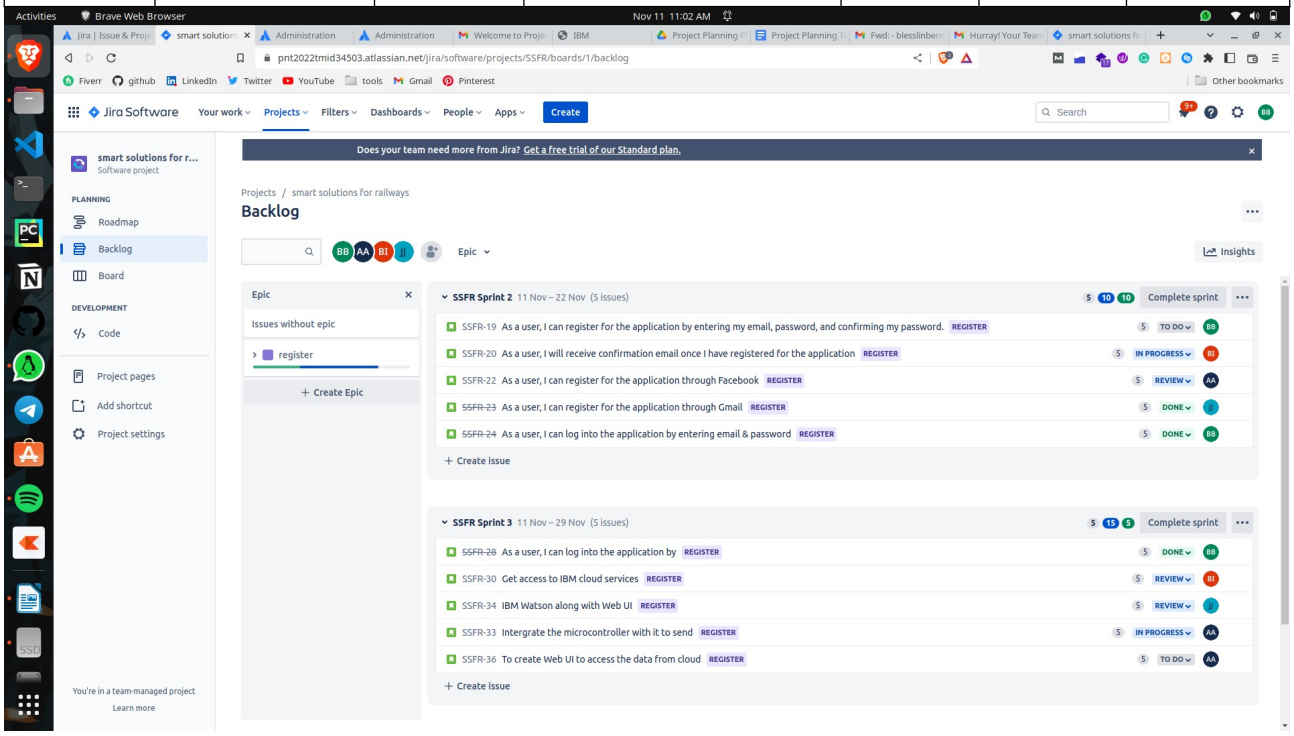
Date	11 November 2022
Team ID	PNT2022TMID34503
Project Name	Smart solutions for railways
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Register	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Blesslin Benoj D
Sprint-2	Register	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Berson I
Sprint-2	Register	USN-3	As a user, I can register for the application through Facebook	2	Low	Jaslin Jenifer JJ
Sprint-2	Register	USN-4	As a user, I can register for the application through Gmail	2	Medium	Allansha MA
Sprint-2	Register	USN-5	As a user, I can log into the application by entering email & password	1	High	Blesslin Benoj D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Register	USN-1	As a user, I can log into the application by entering email & password	2	High	Blesslin Benoj D
Sprint-3	Register	USN-2	Get access to IBM cloud services	1	High	Berson I
Sprint-3	Register	USN-3	To create the IBM Watson IOT platform and Intergrate the microcontroller with it to send sensed data to cloud	2	Low	Jaslin Jenifer JJ
Sprint-3	Register	USN-4	To create a node red service to integrate the IBM Watson along with Web UI	2	Medium	Allansha MA
Sprint-3	Register	USN-5	To create Web UI to access the data from cloud And display all parameters	1	High	Allansha MA



Project Tracker, Velocity & Burndown Chart: (4 Marks)

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-2	25	12 Days	11 Nov 2022	22 Nov 2022	25	22 Nov 2022
Sprint-3	25	19 Days	11 Nov 2022	29 Nov 2022		

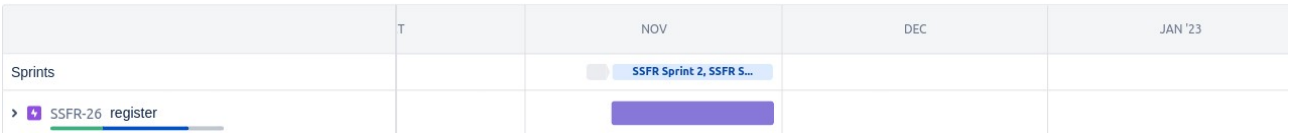
Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

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.



Reference:

https://pnt2022tmid34503.atlassian.net/jira/software/projects/SSFR/boards/1/roadmap