Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID40376
Project Name	Personal expense tracker application
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-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	MUBARAK
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	SASIKUMAR
Sprint-2		USN-3	As a user, I can register for the application through Social medias	2	Low	MUKESH
Sprint-1		USN-4	As a user, I can register for the application through Username and password	2	Medium	KESAVAN
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	ARUNKUMAR
Sprint-1	Dashboard	USN-6	User can login through the dashboard when the user logged on successfully	2	High	SASIKUMAR
Sprint-2	Workspace	USN-7	Personal expense tracker application workspace displayed	2	High	MUBARAK
Sprint-2	Charts	USN-8	Creating various pie charts and graphs and statistical values for the user datas	1	Medium	MUKESH
Sprint-2	Connecting with db2	USN-9	Connecting the dashboard with the database	2	High	KESAVAN
Sprint-2	Intraction	USN-10	Making the interactive dashboard with the java script	2	High	SASIKUMAR
Sprint-3	Watson Assistant	USN-11	Creating the chatbot for the queries from the user to solve and get the feedback from the user	1	Medium	MUBARAK
Sprint-3	Sendgrid	USN-12	Creating an account in the sendgrid for sending the email about the expense of the user	1	Medium	ARUNKUMAR
Sprint-4	Docker hub	USN-13	Creating and uploading the images to the website using the docker application	2	High	SASIKUMAR
Sprint-4	Cloud Registry	USN-14	Pulling the images to the IBM cloud registry	2	High	MUKESH
Sprint-4	Kubernetes	USN-15	Creating the container registry using the docker images and hosting the images in the website	2	High	KESAVAN

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Exposing	USN-16	Exposing the IP/ports to the website	2	High	MUBARAK

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-1	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	9	6 Days	31 Oct 2022	05 Nov 2022	9	5 NOV 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	19 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)

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

AV(Sprint 1)=8/6=1.33

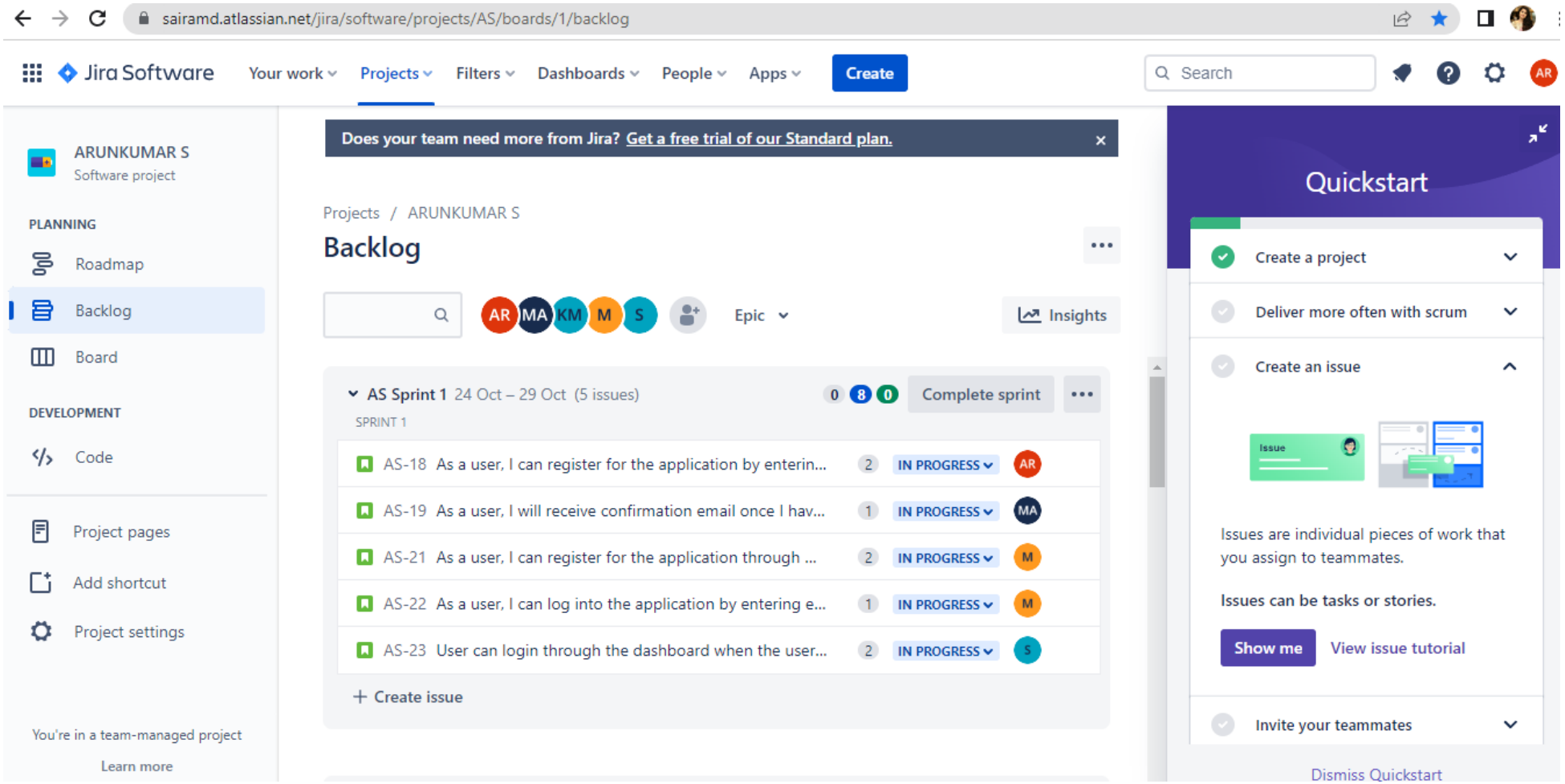
AV(Sprint 2)=9/6=1.5

AV(Sprint 3)=4/6=0.66

AV(Sprint 4)=8/6=1.33

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.



https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts