Project Planning Phase

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

Date	2 November 2022
Team ID	PNT2022TMID02662
Project Name	Project –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	Vishnu Kumar V K
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Senthil Nathan U
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Vijay Sarathi KN
	Dashboard	USN-4	Logging in takes to the dashboard for the logged user	2	High	Vignesh Boopathy
BUG FIXES AND OTHER UI IMPROVEMENTS						
Sprint-2	Workspace	USN-1	Workspace for personal expense tracking	2	High	Vignesh Boopathy & Senthil Nathan u
	Charts	USN-2	Visual representation of the customers data	2	Medium	Vijay Sarathi K N & Vishnu Kumar V K
	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Vijay Sarathi
	Interactivity	USN-4	Making Dashboard interactive with JS	1	Medium	Vignesh Boopathy

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 3		USN-1	Wrapping up the server side works of frontend	1	Medium	Senthil Nathan U
	Watson Assistant	USN-2	Creating Chat-bot for expense tracking and for clarifying user's query	2	High	Vishnu Kumar V K
	Send Grid	USN-3	Using Send Grid to send mail to the users about their expenses	1	Low	Vishnu Kumar V K & Vijay Sarathi KN
		USN-4	Integrating both frontend and backend	2	High	Vignesh Boopathy & Vijay Sarathi K N
BUG FIXES AND ROUTINE CHECKS						
Sprint-4	Docker	USN-1	Creating image of website using Docker	2	High	Vignesh Boopathy
	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Vishnu Kumar V K
	Kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Senthil Nathan U
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Vijay Sarathi KN

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

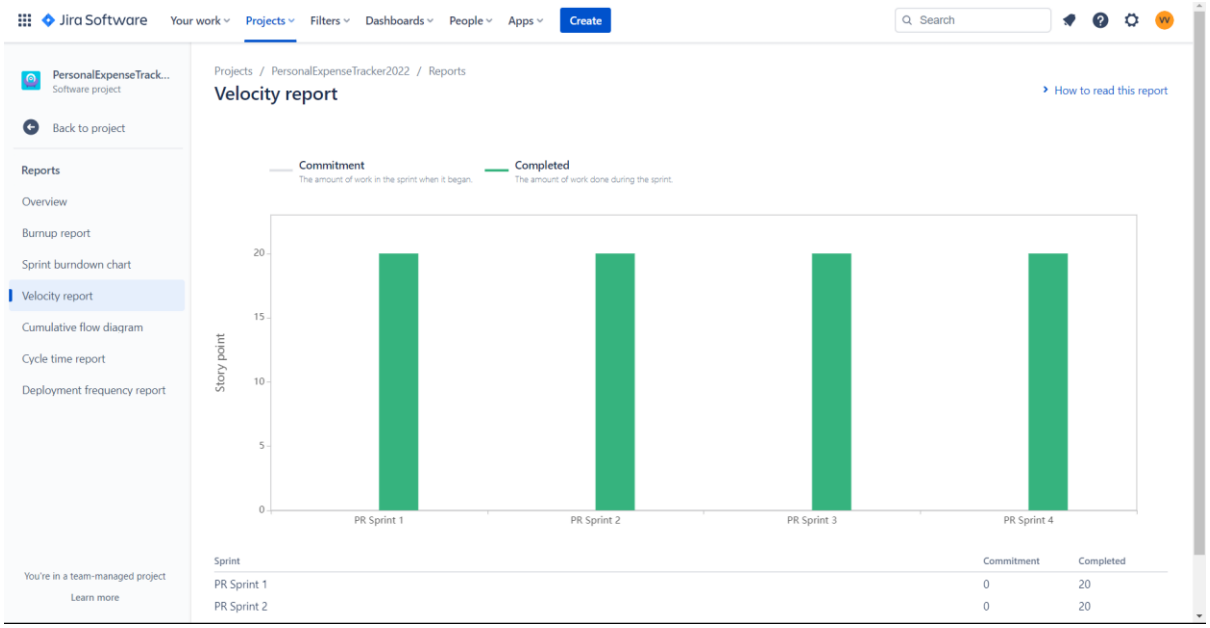
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Sprint – 1 AV = 9/6 = 1.5

Sprint – 2 AV = 9/6 = 1.5

Sprint – 3 AV = 8/6 = 1.3

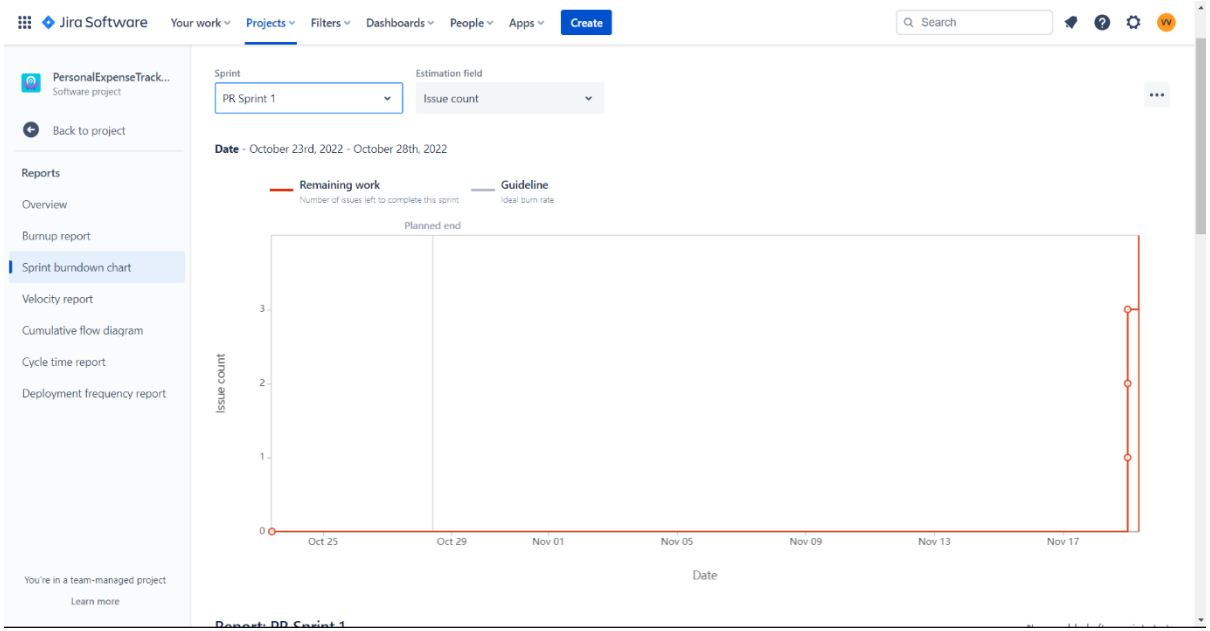
Sprint – 4 AV = 6/6 = 1



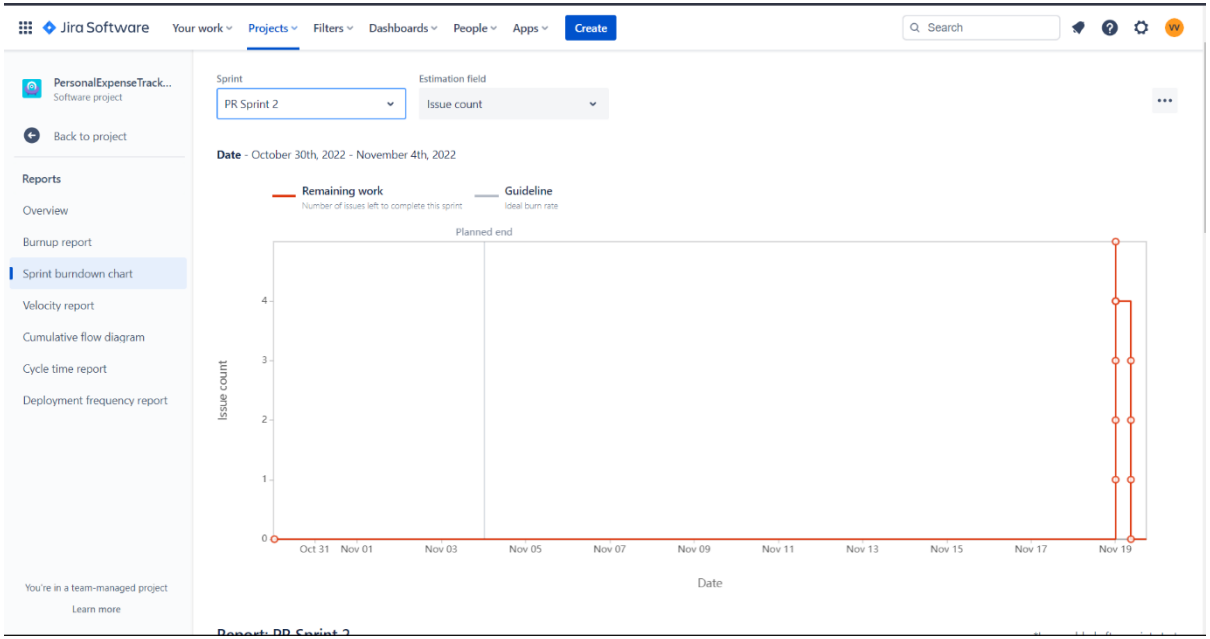
Burndown Chart:

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

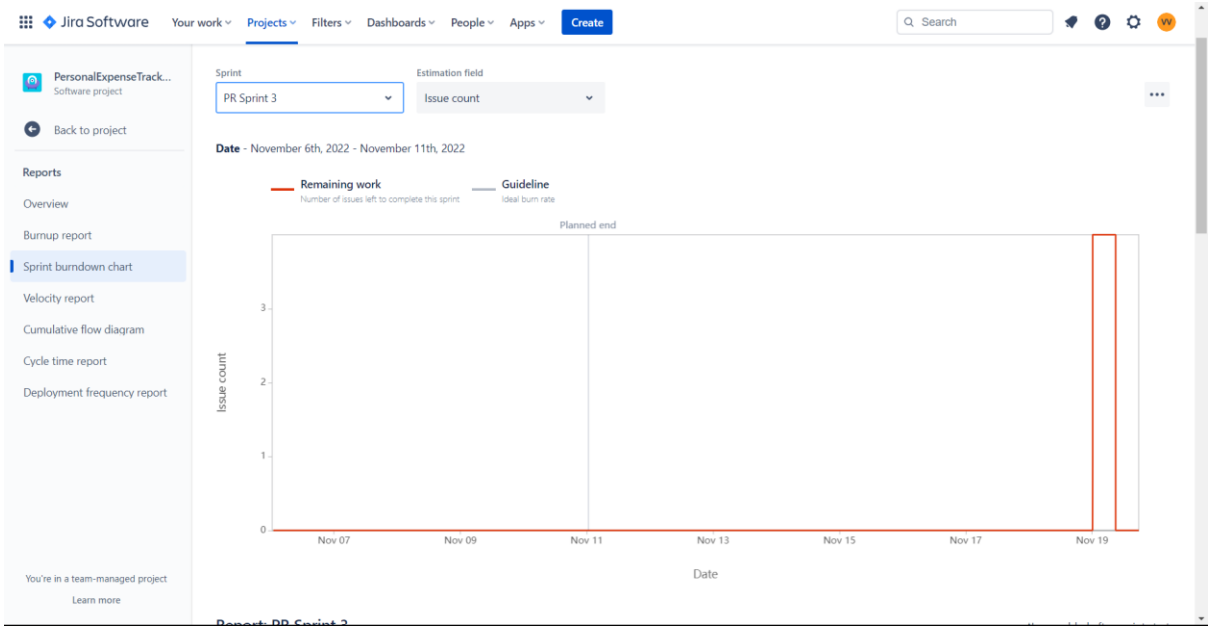
SPRINT 1 BURNDOWN CHART:



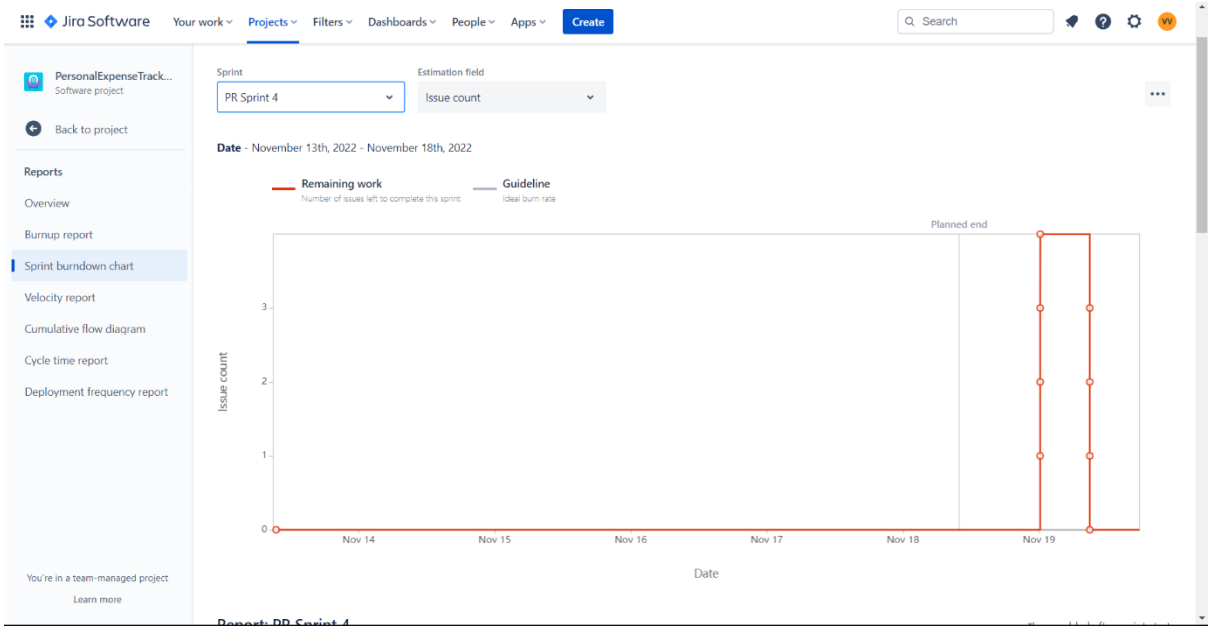
SPRINT 2 BURNDOWN CHART:



SPRINT 3 BURNDOWN CHART:



SPRINT 4 BURNDOWN CHART: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Cumulative flow diagram
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Sprint
PR Sprint 4
Estimation field
Issue count
Date - November 13th, 2022 - November 18th, 2022
Remaining work
Number of issues left to complete this sprint
Guideline
Ideal burn rate
Planned end
Issue count
0
1
2
3
Nov 14
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19
Date