Project Planning Phase

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

Date	27 October 2023
Team ID	PNT2022TMID591303
Project Name	Analyzing Housing Prices in Metropolitan Areas of India
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	Project setup & Infrastructure	USN-1	Set up the Tableau environment with the required tools and frameworks to start the project.	1	High	Arjun Rajesh
Sprint-2	Data collection	USN-2	Gather a diverse dataset containing prices of houses in different metropolitan city based on features like locality, area, number of bedrooms, facilities, schools and hospitals, etc.,	2	High	Bhargava
Sprint-2	Data preprocessing	USN-3	Preprocess the collected dataset by removing unwanted information and dropping duplicate data	1	Low	Bhargava
Sprint-3	Model development	USN-4	Visualize the price variation in different cities with different features	3	High	Arjun Rajesh
Sprint-4	Analyzing and getting insights	USN-5	Finding which feature affects the pricing of houses majorly and reasons to it. Finding out the preferences of people in a metropolitan city	4	Medium	Bhargava

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	1	1 Day	16 Oct 2023	17 Oct 2023	1	17 Oct 2023
Sprint-2	3	3 Days	18 Oct 2022	21 Oct 2023	3	21 Oct 2023
Sprint-3	3	6 Days	22 Oct 2023	28 Oct 2023		
Sprint-4	4	6 Days	29 Oct 2023	5 Nov 2023		

Velocity:

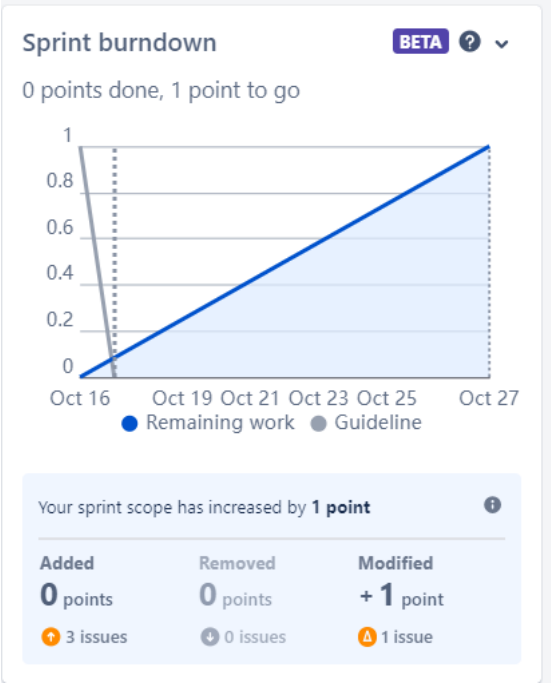
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity}$$

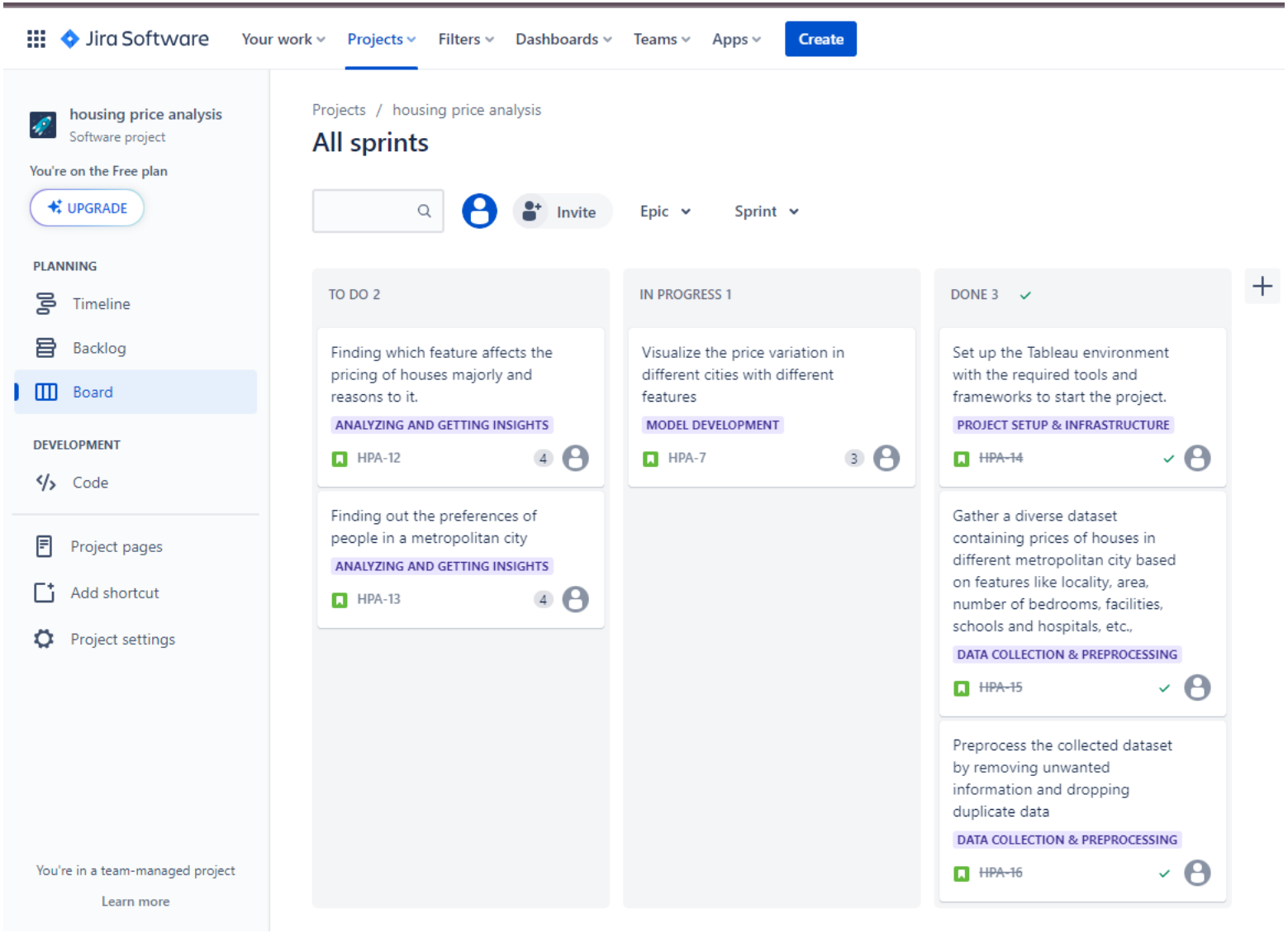
AV = 11/4 = 2.75

Burndown Chart:

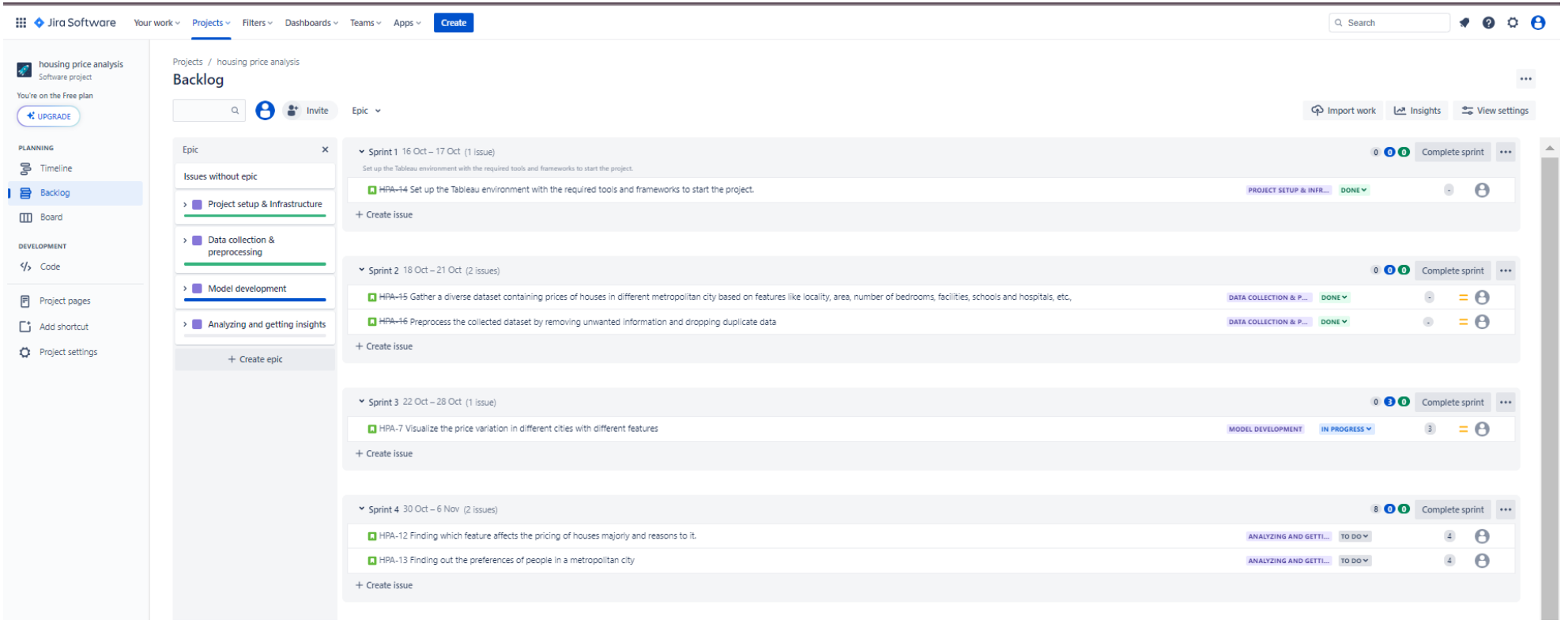
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



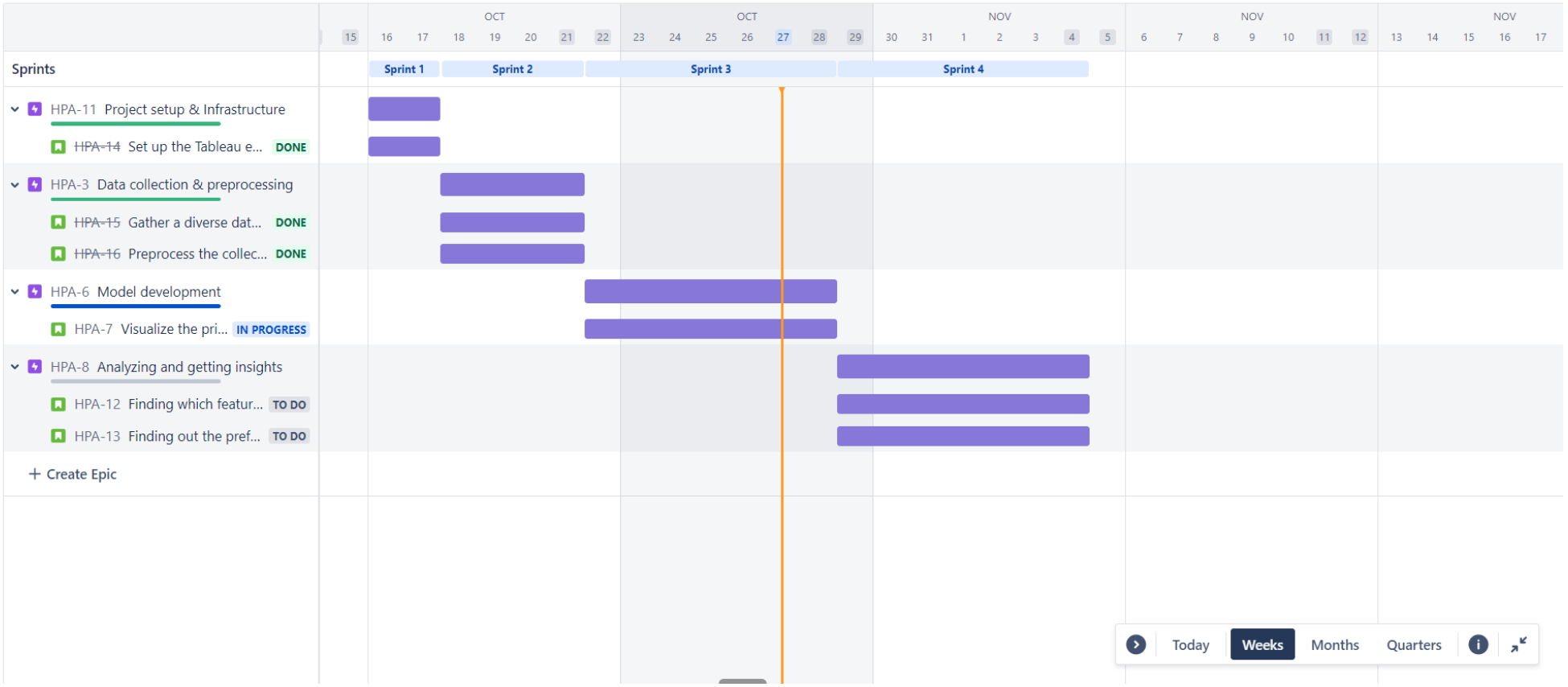
Board section



Backlog Section



Timeline


OCT
OCT
NOV
NOV
NOV
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
Sprints
Sprint 1
Sprint 2
Sprint 3
Sprint 4
HPA-11 Project setup & Infrastructure
HPA-14 Set up the Tableau e... DONE
HPA-3 Data collection & preprocessing
HPA-15 Gather a diverse dat... DONE
HPA-16 Preprocess the collec... DONE
HPA-6 Model development
HPA-7 Visualize the pri... IN PROGRESS
HPA-8 Analyzing and getting insights
HPA-12 Finding which featur... TO DO
HPA-13 Finding out the pref... TO DO
Create Epic
Today
Weeks
Months
Quarters