

Project Planning Phase

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

Date	15 November 2022
Team Lead	E.A.Hyagiriva
Team Members	Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Project Name	Car Resale Value Prediction

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	Data collection	USN-1	Collect dataset	1	low	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Sprint-1	Preprocess data	USN-2	Read and clean the dataset	2	low	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Sprint-2	Model building	USN-3	Splitting into independent and dependent variables	3	medium	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	regression	USN-4	Applying regression model	3	medium	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Sprint-3	Application building	USN-5	Build the python flask application and HTML page	5	High	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Sprint-3	Testing	USN-6	Execute the code and test	5	high	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S
Sprint-4	Training the model /Integrating flask	USN-7	Training the model on IBM cloud and integrate flask	5	high	Hyagiriva.E.A Ashraf Ali.S Keerthi.K.M Nikkila.G.S

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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

Sprint-1 = AV -> sprint duration/velocity = 10/6 = 1.666

Sprint-2 = AV -> sprint duration/velocity = 10/6 = 1.666

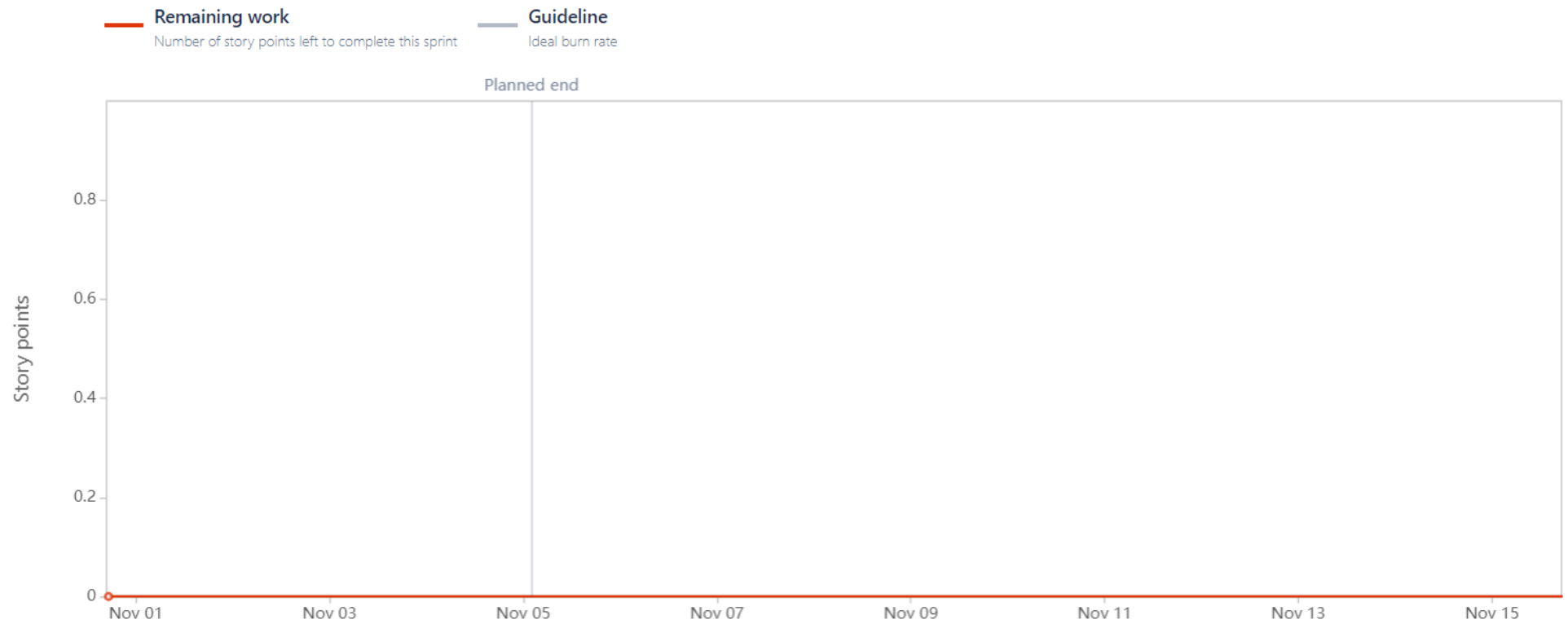
Sprint-3 = AV -> sprint duration/velocity = 10/6 = 1.666

Sprint-4 = AV -> sprint duration/velocity = 10/6 = 1.666

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.

Date - October 31st, 2022 - November 5th, 2022

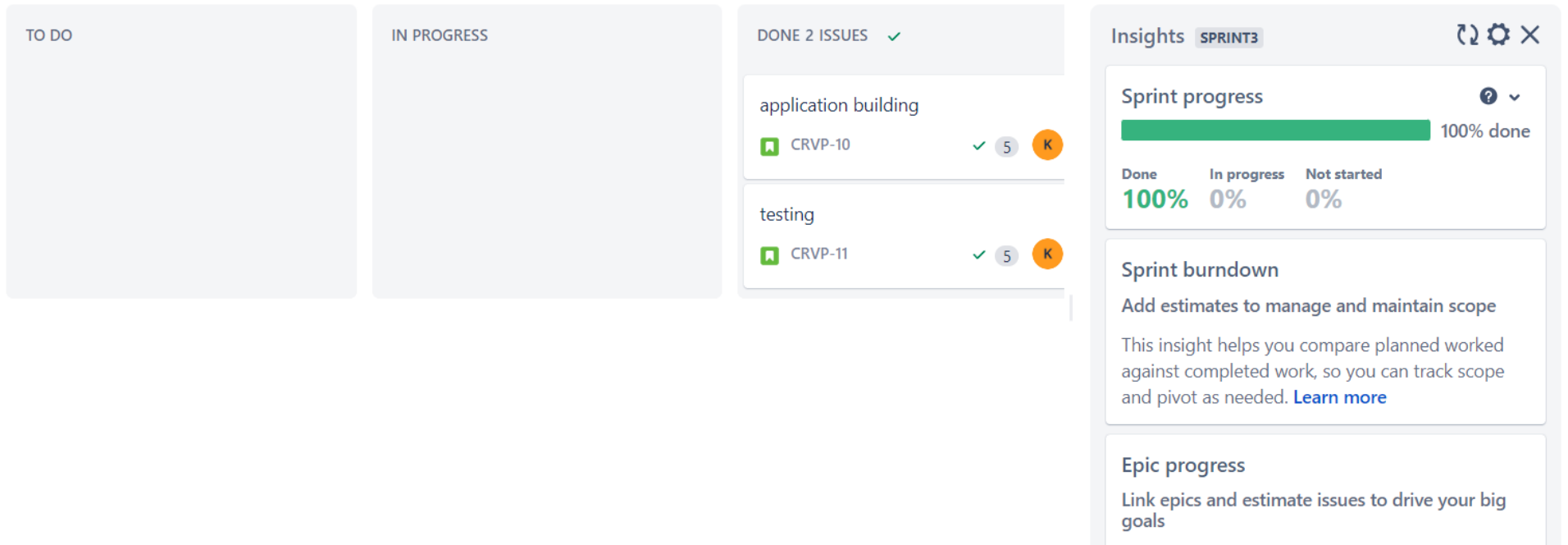


Sprint3

⚡ ☆ ⌚ 0 days remaining [Complete sprint](#) ⋮

 HA K 👤+

GROUP BY None ▾ [📊 Insights](#)



<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>