

Project Planning Phase

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

Date	1 NOVEMBER 2022
Team ID	PNT2022TMID27302
Project Name	Project - Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
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, and password, and confirming my password.	2	High	team member 2, team member 4
Sprint-1	Login	USN-2	As a user, I will receive a confirmation email once I have registered for the application	1	High	team member 3 and team member 4
Sprint-1	Dashboard	USN-3	As a user, I can register for the application through Facebook	1	High	team member 1 and team member 3
Sprint-2	Details about insurance company	USN-4	As a user, I can register for the application through Gmail	1	low	team member 3
Sprint-1	repeated logins and logout	USN-5	As a user, I can log into the application by entering email & password	2	medium	team member 1 and team member 2

Sprint-2	Webpage	USN-6	As a user I must capture images of my vehicle and upload it into the web portal.	1	high	team member 4
Sprint-3	Details about estimated cost based on damage	USN-7	As a user I must receive a detailed report of the damages present in the vehicle and the cost estimated	1	high	team member 1, team member 2, team member

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
				2		3 and team member 4
Sprint-4	Provide friendly and efficient customer support and sort out the queries.	USN-8	As a user, I need to get support from developers in case of queries and failure of service provided	1	high	team member 1 and team member 3
Sprint-4	overview the entire process and act as a bridge between user and developer	USN-9	We need to satisfy the customer needs in an efficient way and make sure any sort of errors are fixed	2	high	team member 2 and team member 4

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)
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Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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.

<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>