

Project Planning Phase

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

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|---------------|---|
| Date | 18 October 2022 |
| Team ID | PNT2022TMID12510 |
| Project Name | Project - Intelligent Vehicle Damage Assessment & 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, password, and confirming my password. | 4 | Medium | TM 1 |
| Sprint-1 | Login | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 8 | High | TM 2 |
| Sprint-2 | Dashboard | USN-3 | As a user, I can register for the application through facebook. | 10 | High | TM3 |
| Sprint-2 | Gmail access | USN-4 | As a user, I can register for the application through Gmail. | 2 | Low | TM 4 |
| Sprint-3 | Uploading car damaged image | USN-5 | As a user, I can log into the application by entering email & password. | 6 | Medium | TM2 |
| Sprint-3 | Cost details based on damage | USN-6 | It gives the insurance cost based on the damage. | 6 | Medium | TM5 |
| Sprint-4 | Effective customer support | USN-7 | We provide excellent user assistance for the application for insurance | 4 | Medium | TM 5 |
| Sprint-4 | To complete the customer work | USN-8 | We will respond to customer needs in a good way without mistakes. | 8 | High | TM 5 |

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 | 6 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 5 | |
| Sprint-2 | 6 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 5 | |
| Sprint-3 | 6 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 5 | |
| Sprint-4 | 6 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 5 | |

Velocity:

Imagine we have a 10-day sprint duration. 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)

$$\text{AV} = \text{Sprint duration} / \text{Velocity}$$

$$= 6/6$$

$$= 1$$

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 such as Scrum. However, burn-down charts can be applied to any project containing measurable progress over time.

