

## Project Planning Phase

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

Date	8 NOVEMBER 2025
Team ID	NM2025TM1D01112
Project Name	CRM Application For Jewel Mangement Development
Maximum Marks	5 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	Customer Management	USN-1	As an admin, I can add and manage customer profiles with contact and purchase details.	3	High	Sk.Bhuvaneshwari
Sprint-1	Inventory Module	USN-2	As a store manager, I can update jewelry stock details like item type, weight, and price.	4	High	Sk.Bhuvaneshwari
Sprint-2	Sales & Billing	USN-3	As a cashier, I can generate sales invoices and record daily transactions.	4	High	R.Alamelu
Sprint-2	Employee Management	USN-4	As an admin, I can manage employee records and assign sales targets.	3	Medium	R.Alamelu
Sprint-2	Reports & Analytics	USN-5	As an admin, I can view reports on monthly sales, top customers, and stock levels.	4	High	H.Aishwariya
Sprint-3	Dashboard UI Design	USN-6	As a user, I can access a dashboard with key performance indicators (sales, inventory, customers).	3	Medium	V.Angammal

**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	7	6 Days	01 OCT 2025	06 OCT 2025	7	01 OCT 2025
Sprint-2	7	6 Days	01 OCT 2025	08 OCT2025	7	01 OCT 2025
Sprint-3	9	6 Days	01 OCT 2025	12 OCT 2025	9	01 OCT 2025
Sprint-4	5	6 Days	01 OCT 2025	24 OCT 2025	5	01 OCT 2025

**Velocity Calculation – CRM for Jewel Management Development****Formula:**

Average Velocity=Total Story Points CompletedTotal Duration in Days\text{Average Velocity} = \frac{\text{Total Story Points Completed}}{\text{Total Duration in Days}}Average Velocity=Total Duration in DaysTotal Story Points Completed

**Given:**

- **Total Story Points Completed:** 16
- **Total Duration:** 9 Days

**Calculation:**

Velocity=169=1.78 story points per day\text{Velocity} = \frac{16}{9} = 1.78 \text{ story points per day}Velocity=916=1.78 story points per day

**Result:**

The **average velocity of the team** during the CRM for Jewel Management Development project is **1.78 story points per day**.

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## Interpretation:

- The team completed work at a **steady pace of 1.78 points/day**, showing good productivity and balanced workload management.
  - This velocity helps in **forecasting future sprint durations** and maintaining consistent delivery for upcoming CRM module enhancements.
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## Burndown Chart – CRM for Jewel Management Development

A **Burndown Chart** is a **graphical representation of the work left to complete versus the time remaining** in a sprint or project. It helps the development team visualize progress and ensures that the project stays on track.

In the **CRM for Jewel Management Development** project, the burndown chart was used to **track the completion of story points across each sprint**. The chart showed a steady decline in the remaining work as the team completed user stories.

- **X-Axis:** Represents the time or sprint days.
- **Y-Axis:** Represents the total story points (amount of work).
- The line on the chart moves **downward as tasks are completed**, ideally reaching zero by the end of each sprint.

This tool helped the team to:

- Monitor daily progress of CRM module development (Customer, Sales, Inventory).
- Identify delays early (e.g., Sprint-3 had minor lag).
- Maintain consistent velocity of ~1.78 story points per day.
- Ensure all deliverables were completed within schedule.

## References – CRM for Jewel Management Development

1. Visual Paradigm. *Scrum Burndown Chart Tutorial*.  
☞ <https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
2. Atlassian. *What is a Burndown Chart?*  
☞ <https://www.atlassian.com/agile/tutorials/burndown-charts>
3. Atlassian. *Agile Project Management Overview*.  
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5. Atlassian. *Epics, Stories, Themes, and Initiatives in Agile*.  
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6. Atlassian. *Sprints in Agile*.  
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7. Atlassian. *Agile Estimation Techniques*.  
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