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

Date	15 February 2025
Team ID	LTVIP2025TMID51758
Project Name	House Rental Management System Using PHP MySQL
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	User Authentication	USN-1	As an admin, I can log into the system using my email and password.	2	High	ST. FAIZ
Sprint-1	House Management	USN-2	As an admin, I can add/edit/delete house types and house details.	3	High	ST. FAIZ
Sprint-1	Tenant Management	USN-3	As a staff, I can register and manage tenant profiles.	3	Medium	ST. FAIZ
Sprint-2	Payment Module	USN-4	As a staff, I can record rent payments for each tenant.	4	High	ST. FAIZ
Sprint-2	Reporting	USN-5	As an admin, I can view payment and tenant reports.	3	Medium	ST. FAIZ
Sprint-2	User Roles	USN-6	As an admin, I can manage roles for staff members.	2	Low	ST. FAIZ

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint-1	8	6 Days	01 Feb 2025	06 Feb 2025	8	06 Feb 2025
Sprint-2	9	6 Days	07 Feb 2025	12 Feb 2025	9	12 Feb 2025

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)

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

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