

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

Date	8 July 2024
Team ID	SWTID1720104852
Project Name	Banking Management
Maximum Marks	4 Marks

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Product Backlog, Sprint Schedule, and Estimation (2 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirements	User Story Numb	User Story / Task	Story Points	Priority	Team Members
Sprint 1	Registration	USN-1	Register using email, password, and confirmation	2	High	Frontend, Backend
		USN-2	Receive confirmation acknowledgment (email/SMS).	1	High	Backend
		USN-3	Register using Gmail account credentials.	2	Medium	Backend
Sprint 1	Login	USN-4	Log in with registered email address and password.	1	High	Backend,
Sprint 1	Dashboard	USN-5	Access a dashboard displaying account overview (balance, recent transactions). Personalize dashboard layout (rearrange information modules).	3	High	Frontend
		USN-6		2	Medium	Frontend, Backend
Sprint 2	Account Manage	USN-7	View detailed account information (number, type, history).	2	Medium	Backend, Frontend

Sprint 3	Money Transfer	USN-8	Update profile information (name, contact details).	2	Medium	Backend, Frontend
		USN-9	Change password for security purposes.	2	High	Backend Backend
		USN_10	Transfer money using account ID or registered phone number.	3	High	
		USN-11	Schedule future money transfers for specific dates.	2	Medium	Backend
Sprint 4	Loan Application	USN-12	Review and track outgoing/incoming money transfer statuses. Initiate a loan application process (details, requirements).	2	Medium	Backend, Frontend
		USN-13	Upload necessary documents (proof of income) for loan application.	3	High	Backend, Frontend
		USN-14	Track loan application status and receive updates throughout the process.	2	Medium	Backend
Sprint 5	Advanced Feature	USN-15	Receive personalized loan	2	Medium	Backend, Frontend
Sprint 5				3	Medium	Backend (AI/ML) Backend

	Security & Notification	16 USN- 17 USN-18	recommendations based on financial profile (AI/ML integration). Enable two-factor authentication for enhanced security (login, transactions). Choose to receive notifications for account activity (transaction alerts, balance updates).	2	High Medium	Backend, Frontend
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Project Tracker, Velocity & Burndown Chart: (2 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	15	4 Days	20 June 2024	23 June 2024	12	24 June 2024
Sprint-2	15	4 Days	24 June 2024	27 June 2024	13	28 June 2024
Sprint-3	20	4 Days	28 June 2024	1 July 2024	15	2 July 2024
Sprint-4	25	4 Days	2 July 2024	5 July 2024	18	8 July 2024
Sprint - 5	25	4 Days	6 July 2024	9 July 2024	20	10 July 2024

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)

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

Burndown Chart:

A burndown 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>