

Project Planning Phase

Date	09 July 2024
Team ID	SWTID1720106020
Project Name	Project – Banking Management App
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Registration	USN-1	As a user, I can register for the application by entering my personal details (name, email, phone number) and setting a secure password.	3	High	Harsha, Mukesh
		USN-2	As a user, I will receive a confirmation email with a verification link to activate my account.	2	High	Shashank, Lahari

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	User Authentication	USN-3	As a user, I can log into the application by entering my registered email and password.	2	High	Harsha, Lahari
		USN-4	As a user, I can reset my password if I forget it by providing my registered email address.	2	High	Shashank, Mukesh
		USN-5	As a user, I can enable two-factor authentication (2FA) to add an extra layer of security to my account.	3	Medium	Harsha
Sprint-3	Account Management	USN-6	As a user, I can view my account balance, transaction history, and other financial details.	4	High	Lahari
		USN-7	As a user, I can transfer funds between my own accounts or to other registered users.	3	High	Mukesh
		USN-8	As a user, I can set up recurring payments or standing orders for bills and other regular expenses.	3	Medium	Shashank
Sprint-4	Deposits and Savings	USN-9	As a user, I can make deposits into my savings account, which will earn interest over time.	4	High	Shashank, Harsha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-10	As a user, I can view the current interest rate and maturity date for my savings deposits.	2	High	Harsha, Mukesh
		USN-11	As a user, I can withdraw funds from my savings account, subject to any applicable fees or penalties.	3	Medium	Shashank, Lahari
Sprint-5	Loans and Borrowing	USN-12	As a user, I can apply for personal, home, or business loans through the banking app.	4	High	Harsha, Lahari
		USN-13	As a user, I can view the loan application status, interest rates, and repayment schedules.	3	High	Shashank, Mukesh
		USN-14	As an admin (bank), I can review and approve or reject loan applications based on the user's creditworthiness and other criteria.	4	High	Shashank, Lahari
Sprint-6	Admin Dashboard	USN-15	As an admin (bank), I can access a comprehensive dashboard with detailed reports on user accounts, transactions, deposits, and loans.	5	High	Harsha, Lahari
		USN-16	As an admin (bank), I can generate custom reports and analytics to monitor	4	High	Shashank, Mukesh

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			the overall financial health and performance of the banking system.			
		USN-17	As an admin (bank), I can manage user accounts, including suspending, activating, or closing accounts as needed.	3	High	Shashank, Mukesh

Project Tracker, Velocity & Burndown Chart:

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	17 Jun 2024	22 Jun 2024	7	22 Jun 2024
Sprint-2	7	6 Days	24 Jun 2024	29 Jun 2024	7	29 Jun 2024
Sprint-3	10	6 Days	01 Jul 2024	06 Jul 2024	10	06 Jul 2024
Sprint-4	9	6 Days	08 Jul 2024	13 Jul 2024	9	13 Jul 2024
Sprint-5	11	6 Days	15 Jul 2024	20 Jul 2024	11	20 Jul 2024
Sprint-6	12	6 Days	22 Jul 2024	27 Jul 2024	12	27 Jul 2024

Velocity:

The project team's average velocity is a key metric that measures the average number of story points completed per iteration. For this project, the team's average velocity is calculated as follows:

Average Velocity (AV) = Total Story Points / (Sprint Duration * Number of Sprints)

$$AV = 56 / (6 * 6)$$

$$AV \approx 1.56 \text{ story points per day}$$

This indicates that the team can complete approximately 1.56 story points per day on average, or 9.33 story points per 6-day sprint (56 total story points / 6 sprints).