

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID40348
Project Name	Project – Early Detection of Chronic Kidney Disease using Machine Learning
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.	2	High	Atchaya A
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	Medium	Nathiya S
Sprint-1	Login	USN-3	As a user, I can register for the application through Facebook	4	Low	Nathiya S
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	3	Medium	Shabanabegam A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Mahalakshmi P
Sprint-2	Dashboard	USN-6	As a user, I can enter my known values	3	High	Mahalakshmi P
Sprint-2	Dashboard	USN-7	As a user, I can select an option from a dropdown list.	3	High	Shabanabegam A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-8	As a user, I can use voice control to dictate text	5	Low	Atchaya A
Sprint-2	Dashboard	USN-9	As a user, I can upload files in the dashboard	5	High	Atchaya A
Sprint-3	Customer Support	USN-10	As a customer care executive, I can respond to the user queries	4	Medium	Shabanabegam A
Sprint-3	Customer Support	USN-11	As a customer care executive, I can give contact support	4	Medium	Mahalakshmi P
Sprint-3	Main Page	USN-12	Results will be displayed with accuracy	3	High	Nathiya S
Sprint-3	Administration	USN-13	As a administrator, I analyse the time that our app screen was in foreground or in focus to figure out user engagement	5	Low	Shabanabegam A
Sprint-4	Main Page	USN-14	The user gets a copy of response through email	4	Low	Atchaya A
Sprint-4	Administration	USN-15	As a administrator, I notice the reviews of the user	3	High	Atchaya A
Sprint-4	Administration	USN-16	As a administrator, I give minor upgrades, redesigns and new features regularly.	5	Medium	Nathiya S
Sprint-4	Administration	USN-17	As a administrator, I fix the stability issues that erode the app quality	4	Medium	Mahalakshmi P

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	16	7 Days	24 Oct 2022	31 Oct 2022	10	31 Oct 2022
Sprint-2	16	7 Days	31 Oct 2022	07 Nov 2022		07 Nov 2022
Sprint-3	16	7 Days	07 Nov 2022	14 Nov 2022		14 Nov 2022
Sprint-4	16	7 Days	14 Nov 2022	21 Nov 2022		21 Nov 2022

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)

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

$$AV(\text{Sprint 1}) = 7/10 = .7$$

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.

The screenshot displays the Jira Software interface for a project named 'Early Detection of Chronic Kidney Disease'. The left sidebar shows navigation options: PLANNING (Roadmap, Backlog, Board) and DEVELOPMENT (Code, Project pages, Add shortcut, Project settings). The main area shows the 'Backlog' view with two sprints. The top sprint, 'EDCKD Sprint 1' (24 Oct – 31 Oct), contains 5 issues, all in 'IN PROGRESS' status. The bottom sprint, 'EDCKD Sprint 2' (31 Oct – 7 Nov), contains 4 issues, all in 'TO DO' status. A right sidebar provides help articles related to the backlog and sprint management.

Project: Early Detection of Chronic Kidney Disease

Backlog

EDCKD Sprint 1 24 Oct – 31 Oct (5 issues) 0 16 0 Complete sprint

Issue ID	Description	Category	Progress	Status	Assignee
EDCKD-10	As a user, I can register for the application t...	REGISTRATION	3	IN PROGRESS	SB
EDCKD-9	As a user, I can register for the application through F...	LOGIN	4	IN PROGRESS	N
EDCKD-12	As a user, I will receive confirmation email o...	REGISTRATION	4	IN PROGRESS	N
EDCKD-13	As a user, I can register for the application ...	REGISTRATION	2	IN PROGRESS	AA
EDCKD-11	As a user, I can log into the application by entering...	LOGIN	3	IN PROGRESS	M

EDCKD Sprint 2 31 Oct – 7 Nov (4 issues) 16 0 0 Start sprint

Issue ID	Description	Category	Progress	Status	Assignee
EDCKD-14	As a user, I can enter my known values	DASHBOARD	3	TO DO	M
EDCKD-15	As a user, I can select an option from a dropdown li...	DASHBOARD	3	TO DO	SB
EDCKD-16	As a user, I can use voice control to dictate text	DASHBOARD	5	TO DO	AA

Help

Search help articles

Show or hide statuses from the board and backlog

Unassign statuses from columns to hide associated issues from the board and backlog.

Create issues in your team-managed backlog and start planning future work

The backlog is a dedicated space for planning upcoming work. Learn how to define upcoming tasks by creating issues directly on your team's backlog.

Start a sprint from your backlog

Ready to sprint to your team's goal? Learn how to start your sprint and what happens when you do.

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<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>