

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID51018
Project Name	Inventory Management System for Retailers
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Release	Functional Requirement (Epic)	User Story Number	User Story / Task	Score 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.	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-3		USN-3	As a user, I can register for the application through Facebook	2	Low	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1	Dashboard	USN-6	As a user, I can track data of sales of products and inventory levels	4	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1	Registration (Customer)	USN-7	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1		USN-8	As a user, I will receive confirmation email once I have registered for the application	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-3		USN-9	As a user, I can register for the application through Facebook	2	Low	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-2		USN-10	As a user, I can register for the application through Gmail	2	Medium	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1	Login (Customer)	USN-11	As a user, I can log into the application by entering email & password	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-1	Dashboard (Customer)	USN-12	As a user, I can track data of sales of products and inventory levels	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P

Sprint-1	Support	USN-13	As a Executive, I Provide answers for the queries asked by users.	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-4	Manage the Stocks	USN-14	As a administrator, I manage the stocks by adding, shipping and storing the stocks in the storage units	4	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-4	Control all the users	USN-15	As a administrator, I can control allthe users by performing basic CRUD operations.	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad P
Sprint-4	Access the database	USN-16	As a administrator, I can control and access the database	3	High	Chandhru R Lokesh Iyyappan A Athivigneshkumar N Prasad 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	28	11 Days	24 Oct 2022	03x Oct 2022	28	03 Nov 2022
Sprint-2	4	4 Days	04 Nov 2022	07 Nov 2022	4	07 Nov 2022
Sprint-3	4	4 Days	09 Nov 2022	12 Nov 2022	4	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	19 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)


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

Our velocity should be:


$$AV = \frac{(28+4+4+10)}{24} = \frac{46}{24} = \mathbf{1.91}$$


ROADMAP:



Sprints	
> ⚡	<u>IMS-22 Register</u>
> ⚡	<u>IMS-24 Login</u>
> ⚡	<u>IMS-27 Customer Registration</u>
> ⚡	<u>IMS-28 Login Customer</u>
⚡	IMS-30 Admin
> ⚡	<u>IMS-32 Customer Dashboard</u>
> ⚡	<u>IMS-33 Admin Dashboard</u>
> ⚡	<u>IMS-35 Support</u>
> ⚡	<u>IMS-37 Gmail Register-Admin</u>
> ⚡	<u>IMS-39 Gmail Registration-Customer</u>
> ⚡	<u>IMS-48 Managing all stocks</u>
> ⚡	<u>IMS-49 CRUD users application</u>
> ⚡	<u>IMS-50 Accessing the databases</u>
> ⚡	<u>IMS-54 FB-Admin</u>
> ⚡	<u>IMS-55 FB-Customer</u>


Inventory Management...
 Software project


PLANNING




 Roadmap

 **Backlog**

 Board
  Reports

DEVELOPMENT

 Code

 Project pages
  Add shortcut
  Project settings

You're in a team-managed project
[Learn more](#)


Projects / Inventory Management System

Q


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
Epic ▾


 Insights


 IMS-23 Login **LOGIN**

3


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 IMS-25 Registration(Customer) **CUSTOMER REGISTRATION**

6


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 IMS-29 Dashboard **ADMIN DASHBOARD**

4


IN PROGRESS ▾





 IMS-31 Dashboard2 **CUSTOMER DASHBOARD**

3


IN PROGRESS ▾





 IMS-34 Support **SUPPORT**

3


IN PROGRESS ▾




 IMS-44 Login(Customer) **LOGIN CUSTOMER**

3

DONE ▾



+ Create issue

> IMS Sprint 2 4 Nov – 7 Nov (2 issues)

0

4

0

Complete sprint

...

> IMS Sprint 4 14 Nov – 19 Nov (3 issues)

0

10

0

Complete sprint

...

Q

9 Nov – 13 Nov (2 issues)

0

4

0

Complete sprint

...

> Backlog (3 issues)

0

4

0

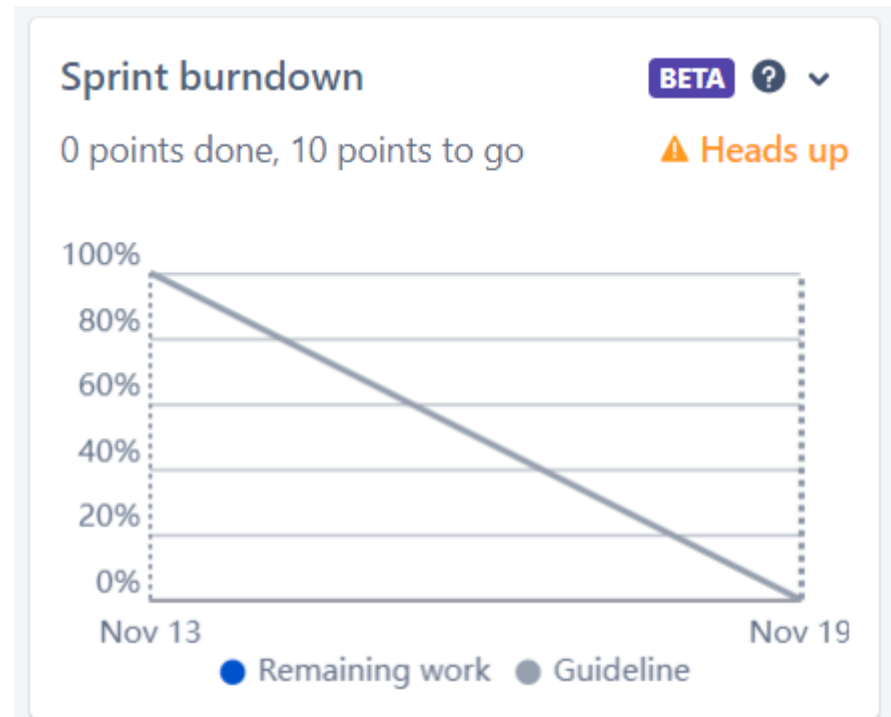
Create sprint

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.

As we have completed the sprint-1,2,3 after the due date, we were not able to receive a burndown chart.

Sprint – 4 :



<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-](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[software https://www.atlassian.com/agile/tutorials/epics](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>

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