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

Date	22 October 2022
Team ID	PNT2022TMID03332
Project Name	Inventory Management System for Retailers
Maximum Marks	8 Marks

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	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-3		USN-3	As a user, I can register for the application through Facebook	2	Low	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S

Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S

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

the below template to create product backlog and sprint schedule

Sprint		USN	User Story			
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-1	Dashboard	USN-6	As a user, I can track data of sales of products and inventory levels	4	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
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	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-1		USN-8	As a user, I will receive confirmation email once I have registered for the application	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-3		USN-9	As a user, I can register for the application through Facebook	2	Low	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-2		USN-10	As a user, I can register for the application through Gmail	2	Medium	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-1	Login (Customer)	USN-11	As a user, I can log into the application by entering email & password	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S

Sprint-1	Dashboard (Customer)	USN-12	As a user, I can track data of sales of products and inventory levels	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S

Sprint-1	Support	USN-13	As a Executive, I Provide answers for the queries asked by users.	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
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	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-4	Control all the users	USN-15	As a administrator, I can control all the users by performing basic CRUD operations.	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S
Sprint-4	Access the database	USN-16	As a administrator, I can control and access the database	3	High	PRADHYUN P SUTHAN G SUDHARSAN J NIRANJAN S

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)

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

Our velocity should be:

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

ROADMAP:

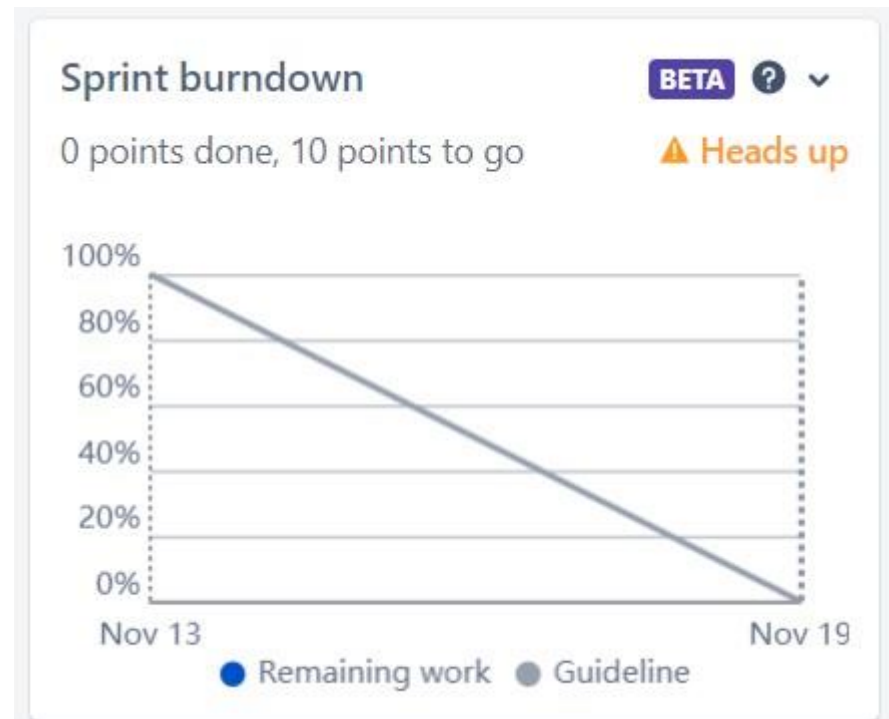| Sprints |
|---|
| > ⚡ IMS-22 Register |
| > ⚡ IMS-24 Login |
| > ⚡ IMS-27 Customer Registration |
| > ⚡ IMS-28 Login Customer |
| ⚡ IMS-30 Admin |
| > ⚡ IMS-32 Customer Dashboard |
| > ⚡ IMS-33 Admin Dashboard |
| > ⚡ IMS-35 Support |
| > ⚡ IMS-37 Gmail Register-Admin |
| > ⚡ IMS-39 Gmail Registeration-Customer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

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- 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

https://careereducation.smartinternz.com/Student/guided_project_workspace/47838