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

Date	18 October 2022
Team ID	PNT2022TMID27048
Project Name	Project - 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

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 First name , Last Name , Phone Number ,Email address , password , and confirming my password.	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
		USN-3	As a user, I can register for the application through Social medias	1	Low	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
		USN-5	As a user, I can reset my password using Forgot Password If I Forgot the password	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 2	Log In	USN-6	As a user , I can Check the stock availability	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
		USN-7	As a user , I can add the products to buying area according to the Stock Availability	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
Sprint 3	Dashboard - Home Page	USN-8	As a user , I can view the homepage of the website	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
	Dashboard - About Page	USN-9	As a user , I can view the about page on the website and get the information related to the Super Market	1	Low	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
Sprint-4	Send Request	USN-10	As a user , I can raise a request for the product I want to buy	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
	View Request	USN-11	As a admin , I can send the product details and Cost of the product which the customer wants to buy.	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
	Maintenance	USN-12	As a admin , I can maintain the database as per the products sold and the product got damaged so that the user can get a better experience of the website	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth
	Solving User Queries	USN-13	Creating a ChatBot using Watson Assistant in IBM Cloud that helps to solve the queries of the users.	2	High	Dhanush Raj Immanuel Kishore Kumar Dhana Jeyaanth

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	20	6 Days	27 Oct 2022	2 NOv 2022	20	29 Oct 2022
Sprint-2	20	8 Days	3 Nov 2022	11 Nov 2022		
Sprint-3	20	3 Days	12 Nov 2022	14 Nov 2022		
Sprint-4	20	5 Days	15 Nov 2022	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)

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

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.

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
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