

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22 October 2022
Team ID	PNT2022TMID02555
Project Name	Inventory Managment System For Retailers
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation

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	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint -1	Dashboard	USN-6	As a user, I will go throught the dashboard	2	Low	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-2	Create UI to interact with the application <ul style="list-style-type: none"> <li>• Registration Page</li> <li>• Login Page</li> <li>• Display items in the Dashboard</li> <li>• Adding items</li> <li>• Test it</li> </ul>	USN-7	As a user, I will test the UI interact	2	High	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-3	Integrating SendGrid service	USN-8	Integrating SendGrid service to the application. Follow the documentation provided in the reference link.	2	High	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA
Sprint-4	Deployment of app in The lbm cloud.	USN-9	Containerize a Flask application by using Docker and deploy it to the IBM Cloud Kubernetes Service	2	High	VIGNESH S VIGNESH GJ KANNAN T SWATHIKA

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	7	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)

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

$$AV = (10+8+6+7)/24 = 31/24$$

$$= 1.289$$

## Burndown Chart:

Burndown Chart

