PROJECT PLANNING PHASE

PRODUCT BACKLOG, SPRINT PLANNING, STORIES, STORY POINTS

DATE	7 NOVEMBER 2022
TEAM-ID	PNT2022TMID39615
PROJECT NAME	SMART FASHION RECOMMENDER APPLICATION

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story/ Task	Story Points	Priority	Team Members
Sprint-1	Setting up an Environment	USN-1	Creating an IBM Cloud account	5	High	Susmitha S.G HinitaPriyanka S Mohana Priya V Siva Priya T Priyadharshini S
		USN-2	Installation of IBM Cloud CLI, Docker CLI And IBM Cloud Plugins	4	Medium	
		USN-3	Installation flask framework and start working on it.	3	High	
		USN-4	Creating an SendGrid Account.	2	Medium	

Sprint-2	Creating web application	USN-5	Creating UI to interact with application	7	High	Susmitha S.G Mohana Priya V Priyadharshini S
		USN-6	Creating IBM DB2 to connect with python.	6	Medium	HinitaPriyanka S Siva Priya T
		USN-7	Integrating SendGrid with python code.	5	Low	Mohana Priya V HinitaPriyanka S

Sprint-3	Chatbot Development	USN-8	Developing a chatbot for web application and integrating to HTML page.	10	Medium	Susmitha S.G Siva Priya T
Sprint-4	Final delivery	USN-9	Containerizing a developed app and uploading an image to IBM Container Registry.	9	High	Priyadharshini S Hinita Priyanka S Susmitha S.G
		USN-10	Deployment of application in Kubernetes.	10	High	Susmitha S.G HinitaPriyanka S Mohana Priya V Siva Priya T Priyadharshini S
		USN-11	Final documentation.	10	High	Mohana Priya Siva Priya T

Project Tracker, Velocity & Burndown Chart:

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	24 Oct 2022	29 Oct 2022	14	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	11 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	14 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	18	19 Oct 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.

BURNDOWN CHART