Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID25087
Project Name	Nutrition Assistant Application
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	Setting Up Application Environment	USN-1	To create lots of environment. Create or Enrolment to the IBM cloud, Docker CLI installation, create an account in SendGrid and Nutrition API, etc.,	20	High	Mohammed Ashik S Alwin Selva kumar A Mamallan S Sabarinath S
Sprint-2	Implementing Web Application	USN-2	We create a UI to interact with application. Create database system DB2 and connect it with python and integrate with Nutrition API.	20	High	Mohammed Ashik S Alwin Selva kumar A Mamallan S Sabarinath S
Sprint-3	Integrating SendGrid Service	USN-3	SendGrid integration with python code for include some RestAPI services for to give a Nutrition and calorie value.	20	High	Mohammed Ashik S
Sprint-4	Deployment of	USN-4	In the deploy process, the	20	High	Mohammed Ashik

	App in IBM Cloud		deployment in Kubernetes cluster is the major task before that we need to containerize the app and upload image to IBM container Registry			

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	24 Oct 2022	29 Oct 2022	20	Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	16 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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.