Sprint Delivery Plan

Project Planning Phase

Date	12-11-2022
Team ID	PNT2022TMID26433
Project Name	AI Powered Nutrition Analyzer for Fitness Enthusiasts

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

Product Backlog, Sprint Schedule and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story/ Task	Story Points	Priority	Team Members
Sprint 1	Model Creation and Training		Create a model which can scan the image of fruits and vegetables and deploy it on IBM Cloud	10	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 1	Model Creation and Training (Food)		Create a model which can scan and process the image of foods and deploy it on the IBM Cloud	10	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 2	Registration	USN-1	As a user I can register by entering my email password and confirming my password via mail	5	Medium	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 2	Upload Page	USN-2	As a user I will be redirected to a page where I can capture my foods and fruits	5	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 2	Suggestion Results	USN-3	As a user I can view the results and obtain the	5	High	Shangari, Swamynathan, Tharun,

			suggestions provided by the ML Model			Vishvwath, Supriya
Sprint 2	Python Flask App		Python Flask Web app must be created as an interface for the ML Model	5	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 3	Log in	USN-4	As a user or admin, I can log in into the application by entering email and password	10	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 3	User Dashboard	USN-5	As a user I can view the previous results and history	5	Medium	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 3	Integration		Integration Flask CNN Model with Cloudant DB	5	Medium	Shangari, Swamynathan, Tharun, Vishvwath, Supriya
Sprint 4	Dashboard	USN-6	As a user I can view the results which is Image Processed by the ML Model	20	High	Shangari, Swamynathan, Tharun, Vishvwath, Supriya

Project Tracker, Velocity and Burn Down Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed	Sprint Release Date
Sprint 1	20	6 days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
Sprint 2	20	6 days	31 Oct 2022	5 Nov 2022	20	6 Nov 2022
Sprint 3	20	6 days	7 Nov 2022	12 Nov 2022	20	13 Nov 2022
Sprint 4	20	6 days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Velocity:

Imagine we have a 10 days sprint duration and the velocity of the team is 20 (points/sprint). Let's calculate the team's average iteration unit (story points/day).

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

Burn Down Chart: