Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53476
Project Name	Visualizing and Predicting Heart Diseases with an Interactive Dash Board
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Datasets	USN-1	As a user, I can enter the details of the patient who want to predict the heart disease	2	High	Gayathri S
Sprint-1		USN-2	As an Admin, I will check the dataset and clean the dataset to create an efficient model.	3	High	Jayashri P
Sprint-2	Exploring data and creating model	USN-3	As an Admin, I can make Exploratory Data Analysis to analyze the important factors for causing heart disease	2	Low	Keerthana V
Sprint-2		USN-4	As an Admin, I will create a prediction model for predicting the heart disease	3	Medium	Gayathri S
Sprint-3	Prediction	USN-5	As an Admin, I will create different type of model to identify which give the correct prediction.	5	High	Kalaiarasi M S
Sprint-4	Creation of webpage	USN-6	As an Admin. I will dump my prediction modelinto the flask framework.	2	Medium	Jayashri P
Sprint-4		USN-7	As an Admin, I will create the webpage and predict through the website.	3	High	Keerthana V

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	5	7 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	5	7 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	5	7 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	5	7 Days	14 Nov 2022	19 Nov 2022	5	19 Nov 2022

Velocity:

We have a 8-day sprint duration, and the velocity of the team is 5 (points per sprint). To calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{Sprint Duration}}{\text{Velocity}} = \frac{7}{5} = 1.4$$