

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

Date	9 November 2022
Team ID	PNT2022TMID53509
Project Name	Visualizing And Predicting Heart Diseases With An Interactive Dash Board

Product Backlog, Sprint Schedule, and Estimation

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	Preprocessing and Prediction	USN-1	Upload the dataset and understand the dataset.	1	High	1
Sprint-1		USN-2	Perform data preprocessing and data cleaning	2	High	2
Sprint-1		USN-3	Visualize the dataset in various graphs for easy analysis	2	Low	3
Sprint-1		USN-4	Train the model and predict the chance of getting heart disease	2	Medium	3
Sprint-2	Exploration	USN-5	Open a account in IBM Cognos tool	1	High	1
Sprint-2		USN-6	Explore the dataset	1	High	1
Sprint-2		USN-7	Explore BP vs chest pain and gender	2	High	1
Sprint-2		USN-8	Explore heart rate during chest pain	2	High	1
Sprint-2		USN-9	Explore BP by age	2	High	1
Sprint-2		USN-10	Explore Cholesterol by age and gender	1	High	1
Sprint-3	Visualization	USN-11	Visualize Average age for different types of chest pain	1	High	1

Sprint-3		USN-12	Visualize Average exercise Angina During Chest Pain	2	High	2
Sprint-3		USN -13	Visualize BP variation with respect to age	2	High	2
Sprint-3		USN-14	Average age for different types of chest pain in existing heart disease.	1	Medium	2
Sprint-3		USN-15	Visualize Serum Cholesterol level vs age	1	High	2
Sprint-3		USN-16	Maximum heart rate in existing heart disease by exercise angina	2	High	2
Sprint-4	Dashboard	USN-17	Dashboard showing different types of visuals	2	Medium	2

Project Tracker, Velocity

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	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	06 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19	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)

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