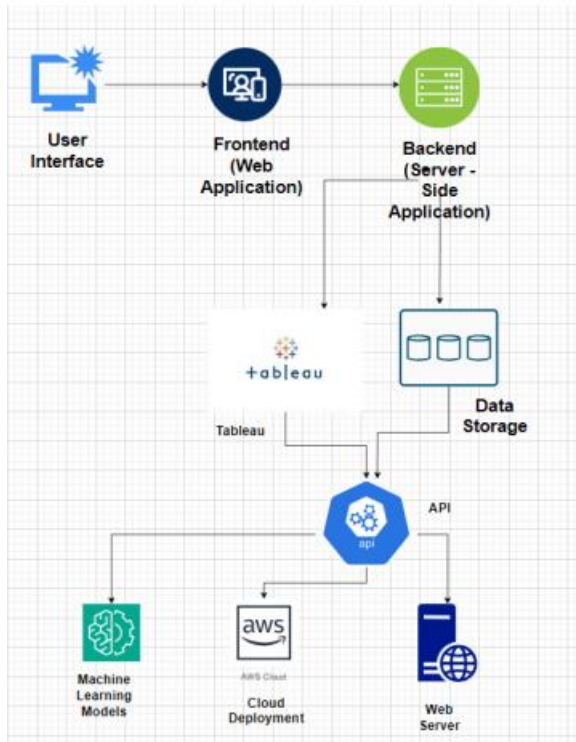


6. PROJECT PLANNING & SCHEDULING

6.1 Technical Architecture



6.2 Sprint Planning & Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Early detection of heart disease	USN-1	As a patient It's been a bit overwhelming, to be honest. Trying to process everything and figure out what comes next	3	High	Ashutosh
Sprint-1	Access to information and resources	USN-2	As a Caregiver, I will be relieved when the patient's condition improves	1	Low	Ashutosh
Sprint-2	Diagnostic tools and technology	USN-3	As a Medical professional, I will be satisfaction when patients recover	3	High	Viswam

Sprint-1	Access to comprehensive datasets	USN-4	As a Researcher, I will be excitement when a breakthrough is achieved	2	Medium	Ashutosh
Sprint-1	Access to healthcare data and statistics	USN-5	As a Policymakers,it is my responsibility to take care of public health	2	Medium	Viswam
	Dashboard					
Sprint-2	Accurate information about heart health	USN-6	As a Customer,Accurate information about heart health	3	High	Viswam
Sprint-2	Access to customer data for effective support	USN-7	As a Customer Care Executive ,Clear communication tools for interacting with customers.	3	High	Ashutosh

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	8	8 Days	21 Oct 2023	29 Oct 2023	5	27 Oct 2023
Sprint-2	9	6 Days	23 Nov 2023	29 Nov 2023	6	27 Oct 2023

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)

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

Sprint - 1 : 1

Sprint - 2 : 0.6

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.

