Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35989
Project Name	Project - Plasma Donor 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	Login	USN-1	Create a registration form a web page for user log in	2	High	Aravinth Kumar
Sprint-1	Login	USN-2	Validating form fields in javascript and linking backend flask	1	High	Jayapritha N
Sprint-1	Login	USN-3	Gmail and Facebook external api used to authenticate user	2	Low	Jagan S
Sprint-1	Database	USN-4	Designing database schema and storing simple user information	2	Medium	Manoj S
Sprint-1	Login	USN-5	Form to collect donor details created and linked to backend	1	High	Vimal V
Sprint-2	Chatbot	USN-6	Creating a chatbot using watson assistant	2	High	Jayapritha N
Sprint-2	Chatbot	USN-7	Connecting chatbot with IBM DB2 database	1	Medium	Manoj S
Sprint-2	Dashboard	USN-8	CSS and javascript should be used to create an admin page	1	Low	Aravinth Kumar
Sprint-2	Database	USN-9	Basic dashboard interface for users and admin will be completed	1	Medium	Vimal V, Jagan S
Sprint-3	Database	USN-10	Storage format of donor information should be designed and implemented	2	High	Vimal V
Sprint-3	Chatbot	USN-11	Chat should be able to retrieve donor information from database	2	High	Manoj S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-12	UI for mobile devices that is responsive design should be built	2	Medium	Aravinth Kumar
Sprint-3	Chatbot	USN-13	Sendgrid external api should be linked with the application to trigger notifications	2	High	Jayapritha N
Sprint-4	Chatbot	USN-14	Testing and implementation of sendgrid notifications	1	Medium	Jagan S
Sprint-4	Login	USN-14	Add features to change password	1	Low	Vimal V
Sprint-4	Chatbot	USN-14	Host the application in IBM cloud with kubernetes and docker	3	High	Manoj S

Projects / PLS

Backlog

MS VV AK JN JS

Epic

Insights

PLSM Sprint 1 28 Oct – 29 Oct (5 issues)

3 5 0 Complete sprint

PLSM-1	Create Registration form	LOGIN	2 IN PROGRESS AK
PLSM-2	Form authentication handling	LOGIN	1 IN PROGRESS JN
PLSM-4	Creating database and storing user information	DATABASE	2 IN PROGRESS MS
PLSM-3	Authentication via gmail and email account	LOGIN	2 TO DO JS
PLSM-5	Form for donation created	LOGIN	1 TO DO VV

+ Create issue

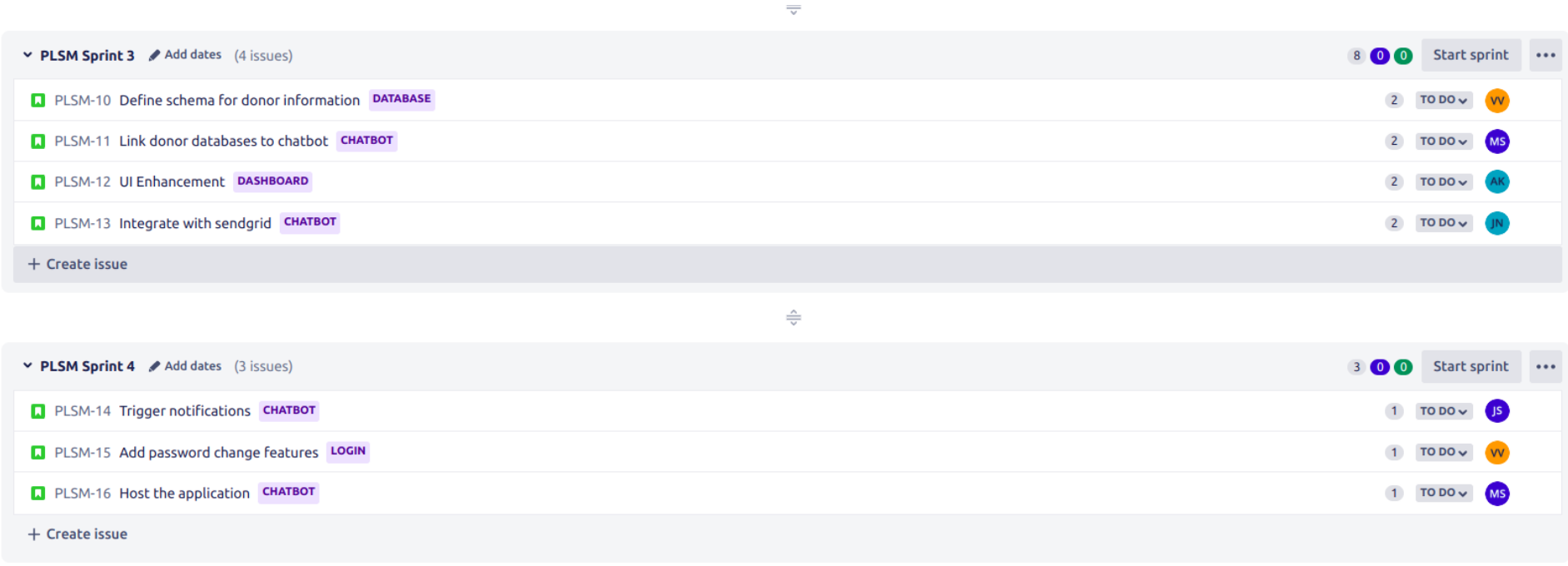
PLSM Sprint 2 Add dates (5 issues)

6 0 0 Start sprint

PLSM-6	Creating a chatbot for user interaction	CHATBOT	2 TO DO JN
PLSM-7	connecting chatbot to IBM database	CHATBOT	1 TO DO MS
PLSM-8	Create a interface for admin page	DASHBOARD	1 TO DO AK
PLSM-9	Create a view for all the donors	DATABASE	TO DO JS
PLSM-21	Dashboard interface for users and admin	DASHBOARD	TO DO VV

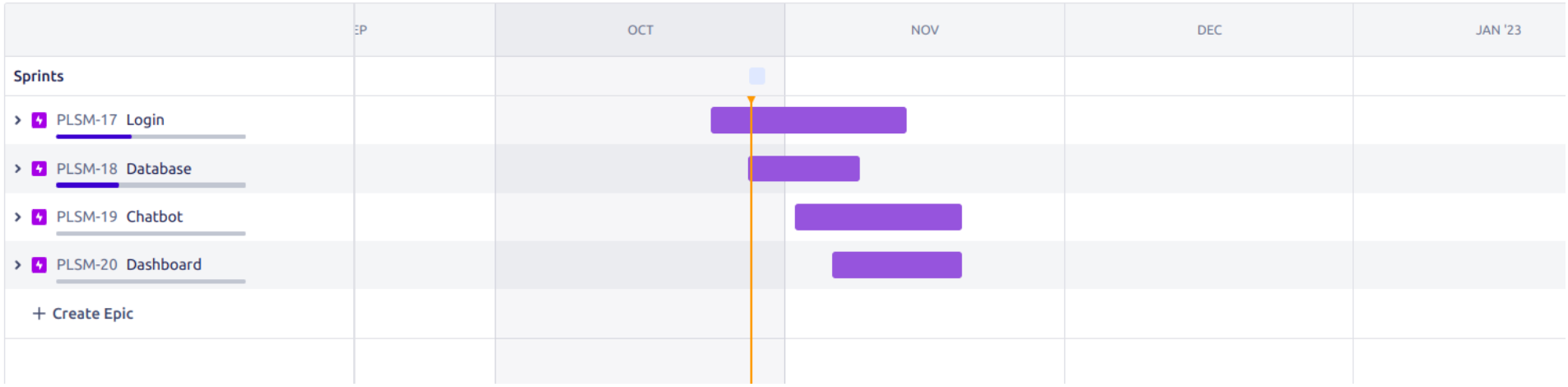
+ Create issue

Quickstart



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	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	5	6 Days	31 Oct 2022	05 Nov 2022	13	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	21	12 Nov 2022
Sprint-4	5	6 Days	14 Nov 2022	19 Nov 2022	26	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)

$$AV = \frac{sprint\ duration}{velocity}$$

velocity = (8 + 5 + 8 +5) / 4 = 6.5

AV = 6 / 6.5 = 0.92

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.