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

Team ID	PNT2022TMID02683
Project Name	Project – Skill and Job Recommender
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	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Ashwat.P.Murthy
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Binesh J
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Barath Kumar R
Sprint-1	Registration	USN-4	As a user, I can register for the application as a Job seeker or Recruiter.	2	High	Arun T
Sprint-1		USN-5	As a user, I will receive verification email once I have registered for the application	2	Medium	Ashwat.P.Murthy
Sprint-2	Login	USN-8	As a user, I can log into the application as Jobseeker or Recruiter by entering registered email & correct password	2	High	Arun T
Sprint-2		USN-9	As a user, I can log into the application using google sign in option	3	Low	Ashwat.P.Murthy

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Binesh J
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Barath Kumar R
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Arun T
Sprint-3		USN-10	As a user, I can log into the application using LinkedIn Login	3	Low	Ashwat.P.Murthy
Sprint-2	Profile Setup	USN-11	As a fresh user I need to setup my profile initially by filling required details which can be modified later	3	High	Binesh J
Sprint-2		USN-12	As a fresh recruiter I need to setup profile for my company by filling required details which can be modified later	3	High	Barath Kumar R
Sprint-3	Cloud Storage	USN-13	As a user I can upload my Image, Resume and much more in the website	3	Medium	Arun T
Sprint-3	Posting	USN-14	As a Recruiter I can post various job openings	5	High	Ashwat.P.Murthy
Sprint-3	Job Listing	USN-15	As a user I can access jobs posted by recruiters and Google Job Search API	5	High	Binesh J
Sprint-3	Applying	USN-16	As a Job Seeker I can view all Job openings in the home page and also, I can search for specific jobs and apply for the same	3	High	Barath Kumar R
Sprint-3	Shortlisting	USN-17	As a Recruiter I can view applied candidates and shortlist few among them.	3	High	Arun T
Sprint-3	Chatbot	USN-18	As a User I can access chatbot to avail any kind of guidance in the website	5	High	Ashwat P Murthy

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	UI Design & Frontend Development	USN-1	As a user I can expect to experience a cool user interface and smooth user experience	8	High	Barath Kumar R
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Ashwat.P.Murthy
Sprint-3	Database	USN-3	As a user my data will be stored in database for further use	5	High	Arun T
Sprint-3		USN-22	As a shortlisted candidate I can join the scheduled interview using the meeting link	3	Low	Binesh J
Sprint-4	System testing	USN-23	As a user I can access my website without any fault or malfunction	5	Medium	Barath Kumar R
Sprint-4	Docker	USN-24	As a user I can access my containerized application in any device	3	High	Arun T
Sprint-4	Kubernetes	USN-25	As a user I can access my containerized application in any device with greater security	3	High	Arun T
Sprint-4	Deployment in the Cloud	USN-26	As a user I can access the website from anywhere in the world	3	High	Binesh J

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	18	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	27	6 Days	31 Oct 2022	05 Nov 2022	27	05 Nov 2022
Sprint-3	29	6 Days	07 Nov 2022	12 Nov 2022	29	12 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022	14	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)

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

Average Velocity for Sprint 1 => **18/6 = 3** => **3 Story points per day**

Average Velocity for Sprint 2 => **27/6 = 4.5** => **4 Story points per day**

Average Velocity for Sprint 3 => **29/6 = 4.8** => **4 Story points per day**

Average Velocity for Sprint 4 => **14/6 = 2.3** => **2 Story points per day**

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.

Total Story Points: 88
Project Start Date: 24th October 2022
Project End Date: 19th November 2022

Burndown Chart