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

Date	22 October 2022
Team ID	PNT2022TMID07064
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	Harish Kumar K
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Deepak S
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Harish Kumar K
Sprint-1	Registration	USN-4	As a user, I can register for the application as a Job seeker or Recruiter.	2	High	Heinrich Stephan R
Sprint-2		USN-5	As a user, I will receive verification email once I have registered for the application	2	Medium	Deepak S
Sprint-3		USN-6	As a user, I can register for the application through Google Signup	3	Low	Gautham GD
Sprint-3		USN-7	As a user, I can register for the application through Sign in with LinkedIn	3	Low	Harish Kumar K
Sprint-1	Login	USN-8	As a user, I can log into the application as Jobseeker or Recruiter by entering registered email & correct password	2	High	Heinrich Stephan R, Deepak S
Sprint-3		USN-9	As a user, I can log into the application using google sign in option	3	Low	Gautham GD

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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	Harish Kumar K
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Deepak S
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Harish Kumar K
Sprint-3		USN-10	As a user, I can log into the application using LinkedIn Login	3	Low	Harish Kumar K
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	Heinrich Stephan R
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	Harish Kumar K
Sprint-2	Cloud Storage	USN-13	As a user I can upload my Image, Resume and much more in the website	3	Medium	Gautham GD, Deepak S
Sprint-2	Posting	USN-14	As a Recruiter I can post various job openings	5	High	Heinrich Stephan R
Sprint-2	Job Listing	USN-15	As a user I can access jobs posted by recruiters and Google Job Search API	5	High	Harish Kumar K
Sprint-2	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	Gautham GD
Sprint-2	Shortlisting	USN-17	As a Recruiter I can view applied candidates and shortlist few among them.	3	High	Harish Kumar K, Gautham GD
Sprint-3	Chatbot	USN-18	As a User I can access chatbot to avail any kind of guidance in the website	5	High	Heinrich Stephan R, Deepak S
Sprint-3	Notification (SendGrid)	USN-19	As a User, I can get notification on new Job openings via email using SendGrid service	3	Medium	Harish Kumar K
Sprint-3	Courses & Webinars	USN-20	As an administrator I can suggest users various courses from famous websites like Udemy, Coursera based on their skillset to improve their skills	3	Low	Gautham GD

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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	Harish Kumar K, Heinrich Stephen R
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	Deepak S
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	Harish Kumar K
Sprint-3	Interviews	USN-21	As a recruiter I can schedule face to face Interview with shortlisted candidates using WebRTC f ramework	3	Low	Harish Kumar K, Heinrich Stephan R
Sprint-3		USN-22	As a shortlisted candidate I can join the scheduled interview using the meeting link	3	Low	Harish Kumar K, Heinrich Stephan R
Sprint-4	System testing	USN-23	As a user I can access my website without any fault or malfunction	5	Medium	Deepak S
Sprint-4	Docker	USN-24	As a user I can access my containerized application in any device	3	High	Harish Kumar K, Heinrich Stephan R
Sprint-4	Kubernetes	USN-25	As a user I can access my containerized application in any device with greater security	3	High	Gautham GD, Deepak S
Sprint-4	Deployment in the Cloud	USN-26	As a user I can access the website f rom anywhere in the world	3	High	Gautham GD, Deepak S

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