

Project Planning Phase

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

Team ID	PNT2022TMID19786
Project Name	Skill / Job Recommender Application
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Used the template given to create the 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	Aru Maakadalamudhan Chandramouli Charan Cheralathan
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	
Sprint-1	Registration	USN-4	As a user, I can register for the application as a Job seeker or Recruiter.	2	High	
Sprint-2		USN-5	As a user, I will receive verification email once I have registered for the application	2	Medium	
Sprint-3		USN-6	As a user, I can register for the application through Google Signup	3	Low	
Sprint-3		USN-7	As a user, I can register for the application through Sign in with LinkedIn	3	Low	
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	
Sprint-3		USN-9	As a user, I can log into the application using google sign in option	3	Low	

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	Aru Maakadalamudhan Chandramouli Charan Cheralathan
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	
Sprint-3		USN-10	As a user, I can log into the application using LinkedIn Login	3	Low	
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	
Sprint-2		USN-12	As a fresh recruiter I need to set up profile for my company by filling required details which can be modified later	3	High	
Sprint-2	Cloud Storage	USN-13	As a user I can upload my Image, Resume and much more in the website	3	Medium	
Sprint-2	Posting	USN-14	As a Recruiter I can post various job openings	5	High	
Sprint-2	Job Listing	USN-15	As a user I can access jobs posted by recruiters and Google Job Search API	5	High	
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	
Sprint-2	Shortlisting	USN-17	As a Recruiter I can view applied candidates and shortlist a few among them.	3	High	
Sprint-3	Chatbot	USN-18	As a User I can access chatbot to avail any kind of guidance in the website	5	High	
Sprint-3	Notification (SendGrid)	USN-19	As a User, I can get notification on new Job openings via email using SendGrid service	3	Medium	
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	

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	Aru Maakadalamudhan Chandramouli Charan Cheralathan
Sprint-1	Home	USN-2	As a user, I will land on the landing page of the website	1	High	
Sprint-1	Database	USN-3	As a user my data will be stored in database for further use	5	High	
Sprint-3	Interviews	USN-21	As a recruiter I can schedule face to face Interview with shortlisted candidates using WebRTC framework	3	Low	
Sprint-3		USN-22	As a shortlisted candidate I can join the scheduled interview using the meeting link	3	Low	
Sprint-4	System testing	USN-23	As a user I can access my website without any fault or malfunction	5	Medium	
Sprint-4	Docker	USN-24	As a user I can access my containerized application in any device	3	High	
Sprint-4	Kubernetes	USN-25	As a user I can access my containerized application in any device with greater security	3	High	
Sprint-4	Deployment in the Cloud	USN-26	As a user I can access the website from anywhere in the world	3	High	

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)

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

Average Velocity for Sprint 1 $\Rightarrow 18/6 = 3 \Rightarrow 3$ Story points per day

Average Velocity for Sprint 2 $\Rightarrow 27/6 = 4.5 \Rightarrow 4$ Story points per day

Average Velocity for Sprint 3 $\Rightarrow 29/6 = 4.8 \Rightarrow 4$ Story points per day

Average Velocity for Sprint 4 $\Rightarrow 14/6 = 2.3 \Rightarrow 2$ Story points per day

Burndown Chart:

A burndown 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

