

Project Planning Phase

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

Date	22 OCTOBER 2022
Team ID	PNT2022TMID25938
Team Name	DareDevils
Project Name	Skill/Job Recommender Application
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application.	3	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-1		USN-3	As a user, I can register for the application through Google account	2	Low	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-1	Login	USN-4	As a user, I can login to the application by entering email and password	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-1	User Profile Details	USN-5	As a user, I can enter my profile details in the application.	3	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-1	Dashboard	USN-6	As a user, I can see my personal details and activities.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	User Profile	USN-7	As a user, I can update and edit my details	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-2	Database	USN-8	As an administrator, I can store the details of the user in IBM database.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-2	Cloud Storage	USN-9	As a user, I can upload my resume , photo and other details.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-2	ChatBot	USN-10	As a user, I can ask the Chatbot about the job openings, which will help get recent job openings based on my skill sets.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-2	Job Search	USN-11	As a user, I can view the job posted page and apply for the suitable job.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	SendGrid Service	USN-12	As a user, I can get a notification about a job opening with the help of the SendGrid service.	5	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-3	Docker	USN-13	As a user, I can access the application.	5	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-3	Kubernetes	USN-14	As a user, I can access the application.	5	Medium	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-3	Customer care service	USN-15	As a user, I can get technical support through customer care to handle any queries.	5	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Unit Testing	USN-16	As a user, I can access and utilize the application without any interruption.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-4	Integration Testing	USN-17	As a user, I can access and utilize the application without any interruption.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-4	System Testing	USN-18	As a user, I can access and utilize the application without any interruption.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-4	Acceptance Testing	USN-19	As a user, I can access and utilize the application without any interruption.	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K
Sprint-4	Deployment	USN-20	Deploying the application	4	High	Vidhya Sri.M Swetha.S Tejeswini.S Kavya.K

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	20	6 Days	24Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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.

	Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
Sprint number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
Task planned	7	6	5	4	3	2	1
Task Actual	7	5.5	6	4	2	1.5	1



