Project Planning Phase

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

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| --- | --- |
| Date | 1 November 2022 |
| Team ID | PNT2022TMID47414 |
| 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

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | Chitra Banu  Dharshini  Durga |
| Sprint-1 | Home | USN-2 | As a user, I will land on the landing page of the  website | 1 | High | Dharshini  Durga  Janci |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Chitra Banu  Dharshini  Janci |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application as a  Job seeker or Recruiter. | 2 | High | Chitra Banu  Janci  Durga |
| Sprint-2 |  | USN-5 | As a user, I will receive verification email once I  have registered for the application | 2 | Medium | Chitra Banu  Janci  Durga |
| Sprint-3 |  | USN-6 | As a user, I can register for the application  through Google Signup | 3 | Low | Dharshini  Durga  Janci |
| Sprint-3 |  | USN-7 | As a user, I can register for the application through Sign in with LinkedIn | 3 | Low | Chitra Banu  Dharshini  Janci |
| 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 | Dharshini  Durga  Janci |
| Sprint-3 |  | USN-9 | As a user, I can log into the application using  google sign in option | 3 | Low | Dharshini  Durga  Janci |

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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 | Chitra Banu  Janci |
| Sprint-1 | Home | USN-2 | As a user, I will land on the landing page of the  website | 1 | High | Dharshini  Durga |
| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Chitra Banu  Dharshini |
| Sprint-3 |  | USN-10 | As a user, I can log into the application using  LinkedIn Login | 3 | Low | Chitra Banu  Durga |
| Sprint-2 | Profile Setup | USN-11 | As a f resh user I need to setup my profile initially by f illing required details which can be modified later | 3 | High | Durga  Dharshini |
| Sprint-2 |  | USN-12 | As a f resh recruiter I need to setup profile for  my company by f illing required details which can be modified later | 3 | High | Durga  Janci |
| Sprint-2 | Cloud Storage | USN-13 | As a user I can upload my Image, Resume and  much more in the website | 3 | Medium | Dharshini  Janci |
| Sprint-2 | Posting | USN-14 | As a Recruiter I can post various job openings | 5 | High | Chitra Banu  Janci |
| Sprint-2 | Job Listing | USN-15 | As a user I can access jobs posted by recruiters  and Google Job Search API | 5 | High | Durga  Dharshini |
| 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 | Chitra Banu  Dharshini |
| Sprint-2 | Shortlisting | USN-17 | As a Recruiter I can view applied candidates  and shortlist few among them. | 3 | High | Chitra Banu  Durga |
| Sprint-3 | Chatbot | USN-18 | As a User I can access chatbot to avail any kind  of guidance in the website | 5 | High | Durga  Dharshini |
| Sprint-3 | Notification (SendGrid) | USN-19 | As a User, I can get notification on new Job openings via email using SendGrid service | 3 | Medium | Durga  Janci |
| Sprint-3 | Courses & Webinars | USN-20 | As an administrator I can suggest users various courses f rom famous websites like Udemy, Coursera based on their skillset to improve their  skills | 3 | Low | Dharshini  Janci |

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| --- | --- | --- | --- | --- | --- | --- |
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| Sprint-1 | Database | USN-3 | As a user my data will be stored in database for further use | 5 | High | Durga |
| Sprint-3 | Interviews | USN-21 | As a recruiter I can schedule face to face  Interview with shortlisted candidates using WebRTC f ramework | 3 | Low | Janci |
| Sprint-3 |  | USN-22 | As a shortlisted candidate I can join the  scheduled interview using the meeting link | 3 | Low | Chitra Banu |
| Sprint-4 | System testing | USN-23 | As a user I can access my website without any  fault or malfunction | 5 | Medium | Dharshini |
| Sprint-4 | Docker | USN-24 | As a user I can access my containerized application in any device | 3 | High | Durga |
| Sprint-4 | Kubernetes | USN-25 | As a user I can access my containerized application in any device with greater security | 3 | High | Janci |
| Sprint-4 | Deployment in the Cloud | USN-26 | As a user I can access the website f rom anywhere in the world | 3 | High | Durga |

# Project Tracker, Velocity & Burndown Chart: (4 Marks)

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| --- | --- | --- | --- | --- | --- | --- |
| **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)



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

