

Project Planning Phase Sprint Delivery Plan

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|----------------------|-------------------------------------|
| Date | 01 November 2022 |
| Team ID | PNT2022TMID16344 |
| 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. | 2 | High | Varshini J |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Sneha R L |
| | Login | USN-3 | As a user, I can log into the application by entering email & password | 1 | High | Savitha G |

| | | | | | | |
|---|-----------------------|-------|---|---|--------|--------------|
| | Dashboard | USN-4 | Logging in takes to the dashboard for the logged user. | 2 | High | Pradhiksha R |
| Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only | | | | | | |
| Sprint 2 | Workspace | USN-1 | Workspace for personal expense tracking | 2 | High | Varshini J |
| | Charts | USN-2 | Creating various graphs and statistics of customer's data | 1 | Medium | Sneha R L |
| | Connecting to IBM DB2 | USN-3 | Linking database with dashboard | 2 | High | Savitha G |
| | | USN-4 | Making dashboard interactive with JS | 2 | High | Pradhiksha R |
| Sprint-3 | | USN-1 | Wrapping up the server side works of frontend | 1 | Medium | Varshini J |
| | Watson Assistant | USN-2 | Creating Chatbot for recommending jobs and forclarifying user's query | 1 | Medium | Sneha R L |
| | SendGrid | USN-3 | Using SendGrid to send mail to the user about their expenses | 1 | Low | Savitha G |
| | | USN-4 | Integrating both frontend and backend | 2 | High | Pradhiksha R |

| Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only | | | | | | |
|---|----------------|-------|--|---|------|--------------|
| Sprint-4 | Docker | USN-1 | Creating image of website using docker/ | 2 | High | Savitha G |
| | Cloud Registry | USN-2 | Uploading docker image to IBM Cloud registry | 2 | High | Varshini J |
| | Kubernetes | USN-3 | Create container using the docker image and hosting the site | 2 | High | Sneha R L |
| | Exposing | USN-4 | Exposing IP/Ports for the site | 2 | High | Pradhiksha R |

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 | 20 Oct 2022 | 25 Oct 2022 | 20 | 26 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 28 Oct 2022 | 02 Nov 2022 | 20 | 02 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 05 Nov 2022 | 11 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- days 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)

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

| | 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 |

BURNDOWN CHART

