

Project Planning Phase

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

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|---------------|----------------------------------|
| Date | 19 November 2023 |
| Team ID | Team-593004 |
| Project Name | Restaurant Recommendation System |
| 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 | User Story | User Story / Task | Story Points | Priority | Team Members |
|----------|--|------------|--|--------------|----------|--------------|
| Sprint-1 | Registration | USN-1 | As a user, I can register by entering my email, password, and confirming my password. | 1 | High | |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered. | 1 | High | |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail. | 1 | Medium | |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering email & password. | 2 | High | |
| Sprint-1 | Restaurant Recommendation | USN-6 | As a user, I can get recommendations for restaurants based on my location, preferences, and past ratings. | 2 | High | |
| Sprint-1 | Manage user accounts | ADM-1 | As an administrator, I can create, edit, and delete user accounts for customer care executives. | 2 | High | |
| Sprint-2 | Manage customer feedback | ADM-2 | As an administrator, I can collect, analyze, and report on customer feedback to identify trends and improve customer satisfaction. | 2 | High | |
| Sprint-3 | Training, model deployment & integration | USN-7 | deploy the model as an API or web service to make it accessible the model's API into a user-friendly web interface for users. | 7 | high | |

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|----------|-------------------------------|-------|---|---|--------|--|
| Sprint-4 | Testing and quality assurance | USN-8 | conduct thorough testing of the model and web interface to identify and report any issues or bugs. fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results. | 2 | medium | |
|----------|-------------------------------|-------|---|---|--------|--|

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 | 9 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 9 | 29 Oct 2022 |
| Sprint-2 | 2 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 11 | |
| Sprint-3 | 7 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 18 | |
| Sprint-4 | 2 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | |
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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)

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

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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>

<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

<https://www.atlassian.com/agile/tutorials/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>