

## Project Planning Phase

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

|               |   |
|---------------|---|
| Date          | 22 October 2022   |
| Team ID       | PNT2022TMID25899  |
| Project Name  | Project – DemandEst - AI Powered Food Demand Forecaster |
| 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 (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     | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-1 |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application                   | 1            | High     | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-2 |                               | USN-3             | As a user, I can register for the application through Facebook  | 2            | Low      | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-2 |                               | USN-4             | As a user, I can register for the application through Gmail   | 2            | Medium   | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-1 | Login                         | USN-5             | As a user, I can log into the application by entering email & password                                    | 1            | High     | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-1 | Dashboard                     | USN-6             | As a user, I can access the services and information provided in the dashboard                            | 2            | High     | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |

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|               |                                      |                          |  |                     |                 |  |
|---------------|--------------------------------------|--------------------------|--|---------------------|-----------------|--|
| Sprint-1      | Login                                | USN-7                    | As a user, I can log into the web application and access the dashboard     | 1                   | High            | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-4      | Helpdesk                             | USN-8                    | As a user, I can get the guidance from the customer care                   | 1                   | High            | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| <b>Sprint</b> | <b>Functional Requirement (Epic)</b> | <b>User Story Number</b> | <b>User Story / Task</b>   | <b>Story Points</b> | <b>Priority</b> | <b>Team Members</b>                                  |
| Sprint-3      | Management                           | USN-9                    | As an administrator, I can collect new datasets and keep the model trained | 2                   | High            | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-3      |                                      | USN-10                   | As an administrator, I can update other features of the application        | 2                   | Medium          | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-3      |                                      | USN-11                   | As an administrator, I can maintain the information about the user         | 2                   | Medium          | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |
| Sprint-4      |                                      | USN-12                   | As an administrator, I can maintain third-party services                   | 1                   | Low             | MUTHU BHARATHI<br>ARUN KUMAR<br>ARUL<br>VIDHYADHARAN |

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

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| Sprint-1      | 7                         | 6 Days          | 24 Oct 2022              | 29 Oct 2022                      | 7  | 29 Oct 2022                         |
| Sprint-2      | 4                         | 6 Days          | 31 Oct 2022              | 05 Nov 2022                      | 4  | 05 Nov 2022                         |
| Sprint-3      | 6                         | 6 Days          | 07 Nov 2022              | 12 Nov 2022                      | 6  | 12 Nov 2022                         |
| Sprint-4      | 2                         | 6 Days          | 14 Nov 2022              | 19 Nov 2022                      | 2  | 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)

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

$$AV \text{ (Sprint 1)} = 7/6 = 1$$

$$AV \text{ (Sprint 2)} = 4/6 = 1$$

$$AV \text{ (Sprint 3)} = 6/6 = 1$$

$$AV \text{ (Sprint 4)} = 2/6 = 1$$

$$AV \text{ (Total )} = 21/24 = 1$$

**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.

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3 sprints

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TO DO 6 OF 11 ISSUES

As a user, I can register for the application through Facebook

DAPFDF-6
2
YY

As a user, I can register for the application through Gmail

DAPFDF-7
2
YY

As an administrator, I can update other features of the application

DAPFDF-8
2
YY

IN PROGRESS

DONE

Sprint burndown

BETA

?

0 points done, 4 points to go

Heads up

Epic progress

Link epics and estimate issues to drive your big goals