**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID12586 |
| Project Name | Project - Nutrition assistant Application |
| 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. | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-1 |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-1 | Login | USN-3 | As a user, I can register for the application through Facebook | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-2 | Dashboard | USN-4 | As a user, I can register for the application through Gmail | 10 | Medium | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-2 | Food Log | USN-5 | As a user, I can log into the application by entering email & password | 10 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-3 | Calorie Calculator | USN-6 | As a user, I can enter the details of age, weight, gender details of the user | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-3 | Diet Plan | USN-7 | As, a user I can view the diet plan by clicking menu using the mouse | 10 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-3 | Alerts & Notifications | USN-8 | As a user, I can receive the alerts and notifications as soon as enter into the App | 5 | Medium | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-1 | Login | ADMN-1 | As a admin, I can login into the application by providing mail id and password | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-4 | Manage Databases | ADMN-2 | As a admin, I can able to create databases | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-4 |  | ADMN-3 | As a admin, I can able to update the database | 3 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-4 |  | ADMN-4 | As a admin, I can able add the contents to the database | 2 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-4 |  | ADMN-5 | As a admin, I can able to remove the contents of the databases | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |
| Sprint-4 | Manage Reports | ADMN-6 | As a admin, I can generate reports | 5 | High | Gokul .S  Hariharan.J  Pragadesh Karthick.S  Praveen.K.S |

**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 | 24 Oct 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 |
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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 = 20/14 = 1.4**

**Average Velocity is 2 points per Sprint**

**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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Intial Estimate | 24-10-22 | 25-10-22 | 26-10-22 | 27-10-22 | 28-10-22 | 29-10-22 |
| 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 | 3 | 8 | 4 | 2 | 1 | 2 |
| sprint 3 | 20 | 5 | 4 | 4 | 5 | 2 | 0 |
| sprint 4 | 20 | 8 | 3 | 3 | 3 | 2 | 1 |
|  |  |  |  |  |  |  |  |
| Remaining Effort | 80 | 64 | 39 | 23 | 10 | 4 | 0 |
| ideal Effort | 80 | 58 | 40 | 30 | 9 | 8 | 0 |
|  |  |  |  |  |  |  |  |

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

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