

Project Planning Phase

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

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|---------------|---------------------------------|
| Date | 6 NOVEMBER 2022 |
| Team ID | PNT2022TMID16296 |
| Project Name | Nutrition Assistant Application |
| Maximum Marks | 8 Marks |

Product Backlog, Sprint Schedule, and Estimation

| 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 | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 1 | High | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password. | 1 | High | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |
| Sprint-2 | User Details | USN-4 | As a user, I can enter my details. | 2 | High | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |
| Sprint-3 | Scanning And Searching Food | USN-5 | As a user, I can search the food items. | 2 | Medium | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |

| | | | | | | |
|----------|--------------------------|-------|---|---|------|--|
| Sprint-4 | Show Nutritional Details | UNS-6 | As a user, I can scan the food and get the nutritional details. | 1 | High | Ravindran D Pranav Raja VP Sanjai M Vijaya Manikandan R |
|----------|--------------------------|-------|---|---|------|--|

Project Tracker, Velocity & Burndown Chart:

| 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 | 23 Oct 2022 | 28 Oct 2022 | 20 | 28 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 30 Oct 2022 | 04 Nov 2022 | 20 | 04 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 05 Nov 2022 | 10 Nov 2022 | 20 | 10 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 12 Nov 2022 | 18 Nov 2022 | 20 | 18 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)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per

SprintVelocity = Points per Sprint

$$AV = \frac{20}{6} \approx 4$$

Therefore, the **AVERAGE VELOCITY IS 4 POINTS PER SPRINT**

Burndown Chart:

| | Initial Estimate | 23-Oct | 24-Oct | 25-Oct | 26-Oct | 27-Oct | 28-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 | 6.5 | 5 | 2.7 | 2.1 | 1.5 | 1 |

BURNDOWN CHART

