

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

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|---------------|---|
| Date | 31 October 2022 |
| Team ID | PNT2022TMID23530 |
| 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. | 2 | High | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |
| Sprint-1 | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |
| Sprint-1 | Login | USN-3 | As a user, I can log into the application by entering email & password | 1 | High | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |
| Sprint-2 | User details | USN-4 | As a user , I can fill the Details. | 2 | High | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |
| Sprint-3 | Push notification | USN-5 | As a user, I will search the food items. | 2 | Medium | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |

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|----------|---|-------|--|---|------|---|
| Sprint-4 | Shown the nutrition details and Recipe for scanned food | USN-6 | As a user, I can scan the food an get the nutrition details and recipe for related scanned | 1 | High | NITEESH REDDY Y PARTHASARATHY M J YASWANTH BABU K HITESH K S HARISH A |
|----------|---|-------|--|---|------|---|

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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| | | | | | | |
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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)

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

Average Velocity = Story Points per Day

Sprint Duration = Number of (Duration) days per Sprint

Velocity = Points per Sprint

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

Therefore, the **AVERAGE VELOCITY IS 4 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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

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|--|---------------|------------------|--------------------|--------------------|-----------|--------------------|--------------------|----------|
| | | | | | | | | |
| | | 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 |
| | | | | | | | | |
| | | 80 | 70 | 42 | 25 | 13 | 8 | 0 |
| | | 80 | <u>66.66666667</u> | <u>53.33333333</u> | <u>40</u> | <u>26.66666667</u> | <u>13.33333333</u> | <u>0</u> |
| | | | | | | | | |

BurntDown Chart

