

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

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|---------------|---------------------------------|
| Date | 11 November 2022 |
| Team ID | PNT2022TMID54436 |
| Project Name | Nutrition Assistant Application |
| Maximum Marks | 8 Marks |

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|--|
| Sprint-1 | User Panel | USN-1 | The user will login into the website and go through the products available on the website. | 2 | High | Soundarya R Roopa Shree V Bharath M Vignesh R |
| Sprint-2 | Admin Panel | USN-2 | The role of the admin is to check out the database about the stock and have a track of all the things that the users are purchasing. | 2 | High | Soundarya R Roopa Shree V Bharath M Vignesh R |
| Sprint-3 | Dash Board | USN-3 | In business computer information systems, a dashboard is a type of graphical user interface which often provides at-a-glance views of key performance indicators (KPIs) relevant to a particular objective or business process. In other usage, "dashboard" is another name for "progress report" or "report" and considered a form of data visualization. | 2 | High | Soundarya R Roopa Shree V Bharath M Vignesh R |

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|----------|----------------|-------|---|---|------|--|
| Sprint-4 | Final Delivery | USN-4 | Container of applications using docker Kubernetes and development the application. Create the documentation andfinal submit the application | 2 | High | Soundarya R Roopa Shree V Bharath M Vignesh R |
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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 |

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)

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

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.

