**Project Planning Phase**

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

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| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID59149 |
| Project Name | A Collage Food Choices Case Study |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | **As a** student on a tight budget, **I want to** filter food choices based on price range,**so that** I can eat within my daily budget without compromising on nutrition | 2 | High | 1 |
| Sprint-1 |  | USN-2 | **As a** user craving fast food,  **I want to** quickly find nearby fast food options with healthy alternatives,**so that** I can satisfy my craving without making unhealthy decisions. | 3 | High | 3 |
| Sprint-2 |  | USN-3 | **As a** busy professional, **I want to** plan my meals for the week in advance,**so that** I can save time and maintain a consistent diet. | 2 | medium | 2 |
| Sprint-1 |  | USN-4 | **As a** person who likes to cook at home,**I want to** get recipe suggestions based on available ingredients,**so that** I can avoid food waste and save time planning meals. | 3 | high | 4 |
| Sprint-1 |  | USN-5 | **As a** busy professional,  **I want to** plan my meals for the week in advance,  **so that** I can save time and maintain a consistent diet. | 1 | low | 2 |
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**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

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| **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 | 02-june-2025 | 07-june-2025 | 20 | 07 |
| Sprint-2 | 20 | 6 Days | 09-june-2025 | 14-june-2025 | 19 | 14 |
| Sprint-3 | 20 | 6 Days | 16-june-2025 | 21-june-2025 | 17 | 21 |
| Sprint-4 | 20 | 6 Days | 23-june-2025 | 28-june-2025 | 18 | 28 |
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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 = sprint duration /velocity = 20/11 =1.8

**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.