Project Planning Phase

Project Planning

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

Team ID : PNT2022TMID06215

Team leader : A.Mohammed zubairali

Team member: S.Mohammed Suhail Manas

Team member: S.Bayas Abdul Rahiman

Team member :SB.Shajahan

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

Use the below template to create product backlog and sprint schedule

| Sprint | Functional Requirements (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 | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan | |
| Sprint-1 | | USN-2 | As a user,I will receive confirmation Email once I have registered for the application | 1 | High | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan | |

| Sprint-1 | Login | USN-3 | As a user,I can log into the application by entering Email and password | 1 | High | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan |
|----------|--|-------|---|---|--------|---|
| Sprint-2 | User Details | USN-4 | As a user,I can fill the details | 2 | High | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan |
| Sprint-3 | Push Notification | USN-5 | As a user,I will search the food items | 2 | Medium | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan |
| Sprint-4 | Shown The Nutrition Details And Recipe For Scanned Food | USN-6 | As a user,I can scan the food and get the nutrition details and recipe for related scanned food | 1 | High | A.Mohammed zubairali S.Mohammed Suhail Manas S.Bayas Abdul Rahiman SB.Shajahan |

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 |

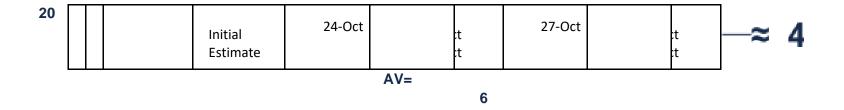
Velocity:

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)

Average Velocity = Story Points per Day

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

Sprint Duration = Number of (Duration) days per Sprint Velocity = Points per Sprint



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.

| | 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 |

| r emaining effort | 80 | 70 | 42 | 25 | 13 | 8 | 0 |
|----------------------|----|------|----|----|-----------|---|---|
| ideal effort | | 80 6 | | | 40 2 1 | | 0 |
| | | | | | | | |

