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

Team ID   : PNT2022TMID43070
Team leader   : V.Raja
Team member : S.Siranjeevi
Team member : S.Dhinakaran
Team member : R.Rahul

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	V.Raja S.Siranjeevi S.Dhinakaran R.Rahul
Sprint-1		USN-2	As a user,I will receive confirmation Email once I have registered for the application	1	High	V.Raja S.Siranjeevi S.Dhinakaran R.Rahul
Sprint-1	Login	USN-3	As a user,I can log into the application by entering Email and password	1	High	V.Raja S.Siranjeevi S.Dhinakaran R.Rahul
Sprint-2	User Details	USN-4	As a user,I can fill the details	2	High	V.Raja S.Siranjeevi S.Dhinakaran R.Rahul

Sprint-3	Push Notification	USN-5	As a user,I will search the food items	2	Medium	V.Raja S.Siranjeevi S.Dhinakaran R.Rahul
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	V.Raja S.Siranjeevi

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

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

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.

			Initial Estimate	24-Oct		t t	27-Oct		t t

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

remaining effort	80	70	42	25	13	8	0
ideal effort		80 65			40 21		0

BurntDown Chart

remaining effort ideal effort