Project Planning Phase

Date	5 November 2022
Team ID	PNT2022TMID03031
Project Name	Project – News Tracker 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	Account Creation	USN-1	As a user, I can create an account on the application.	5	High	Vasunthra A S, Yoganithi T
Sprint-1	Login	USN-2	I can successfully login to the application using provided login credentials.	5	High	Retheeka, Revathi V
Sprint-1	Storage	USN-3	As a user, my data will be stored on cloud in IBM Database.	5	High	Vasunthra A S, Yoganithi T
Sprint-2	News API integration	USN-4	I need to know the latest news in the app which can be pulled from the News API.	3	Low	Retheeka, Revathi V
Sprint-2	Add routes to display news with respect to user preferences	USN-5	As a user, I want only the news that I prefer.	10	High	Vasunthra A S, Yoganithi T
Sprint-3	Front End	USN-6	Create front end for all above listed services and connect them to back end and database.	5	Medium	Retheeka, Revathi V
Sprint-3	Front End	USN-7	Create front end for all above listed services and connect them to back end and database.	5	Medium	Vasunthra A S, Yoganithi T
Sprint-4	Deploy the application	USN-8	Deploy the application to Kubernetes and host the application using IBM services	5	Medium	Retheeka, Revathi V
Sprint-4	Additional Features	USN-9	Implement all additional features of the application	5	Low	Vasunthra A S, Yoganithi T

Sprint-4	Testing	Testing	Testing all the features of the application.	15	High	Retheeka, Revathi V

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	15	6 Days	23 Oct 2022	29 Oct 2022	Will be updated as we go.	29 Oct 2022
Sprint-2	13	6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	25	6 Days	14 Nov 2022	19 Nov 2022		19 Nov 2022

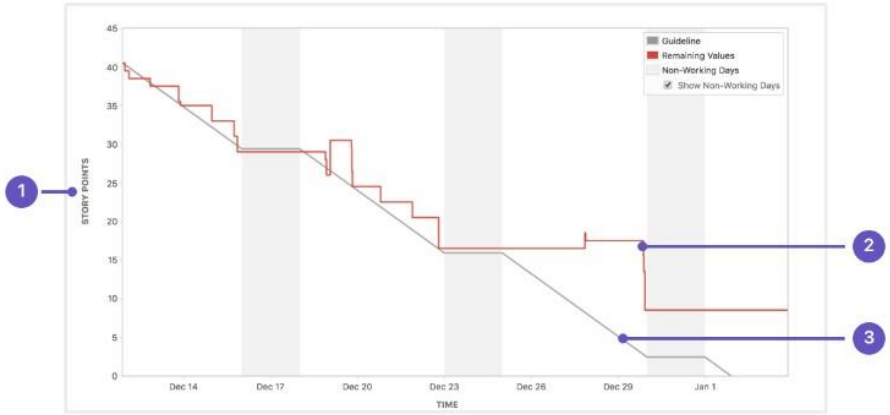
Velocity:

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)

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

AV = (15 + 13 + 10 + 25)/6 = 10.5

Burndown Chart:



1. **Estimation statistic**: The vertical axis represents the estimation statistic that you've selected.

2. **Remaining values**: The red line represents the total amount of work left in the sprint, according to your team's estimates.

3. **Guideline**: The grey line shows an approximation of where your team should be, assuming linear progress. If the red line is below this line, congratulations - your team's on track to completing all their work by the end of the sprint. This isn't foolproof though; it's just another piece of information to use while monitoring team progress.

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/ **https://www.atlassian.com/agile/tutorials/burndown-charts**