Project Planning Phase

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

Date	01 November 2023
Team ID	593067
Project Name	Horology 2.0: Forecasting The Future of Smartwatch Prices
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	Health Tracking	USN-1	As a user, I want to track my daily steps and view the data on my smart watch	5	High	Thridiva Reddy
Sprint-1	Fitness Features	USN-2	As a fitness enthusiast, I want to track my running workouts using the smartwatch GPS	8	High	Ajay Ganesh
Sprint-2	Music Control	USN-3	As a music lover, I want to control music playback on my phone through my smartwatch	3	Medium	Sai Sivani
Sprint-2	Notifications	USN-4	As a user, I want to receive social media notifications on my smart watch	5	Medium	Varun Sahith

Sprint-1	User Interface	USN-5	As a user, I want an intuitive and user-friendly interface on my smartwatch	8	High	Thridiva Reddy
Sprint -1	Battery Optimization	USN-6	As a user, I want the smartwatch to optimize battery life while providing essential functions.	5	High	Ajay Ganesh
Sprint-2	Weather Conditions	USN-7	As a user, I want my smartwatch to display current weather conditions	8	Medium	Sai Sivani
Sprint 2	Weather Updates	USN-8	As a user, I want to receive weather alerts for severe weather conditions	3	Medium	Varun Sahith

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	4	3 Days	21 Oct 2023	23 Oct 2023	4	23 Oct 2023
Sprint-2	4	3 Days	24 Oct 2023	26 Oct 2023	4	26 Oct 2023
Sprint-3	10	3 Days	27 Oct 2023	29 Oct 2023	9	29 Oct 2023
Sprint-4	4	3 Days	30 Oct 2023	1 November 2023	4	31 Oct 2023
Sprint -5	2	3 Days	2 Nov 2023	4 Nov 2023	2	2 Nov 2023

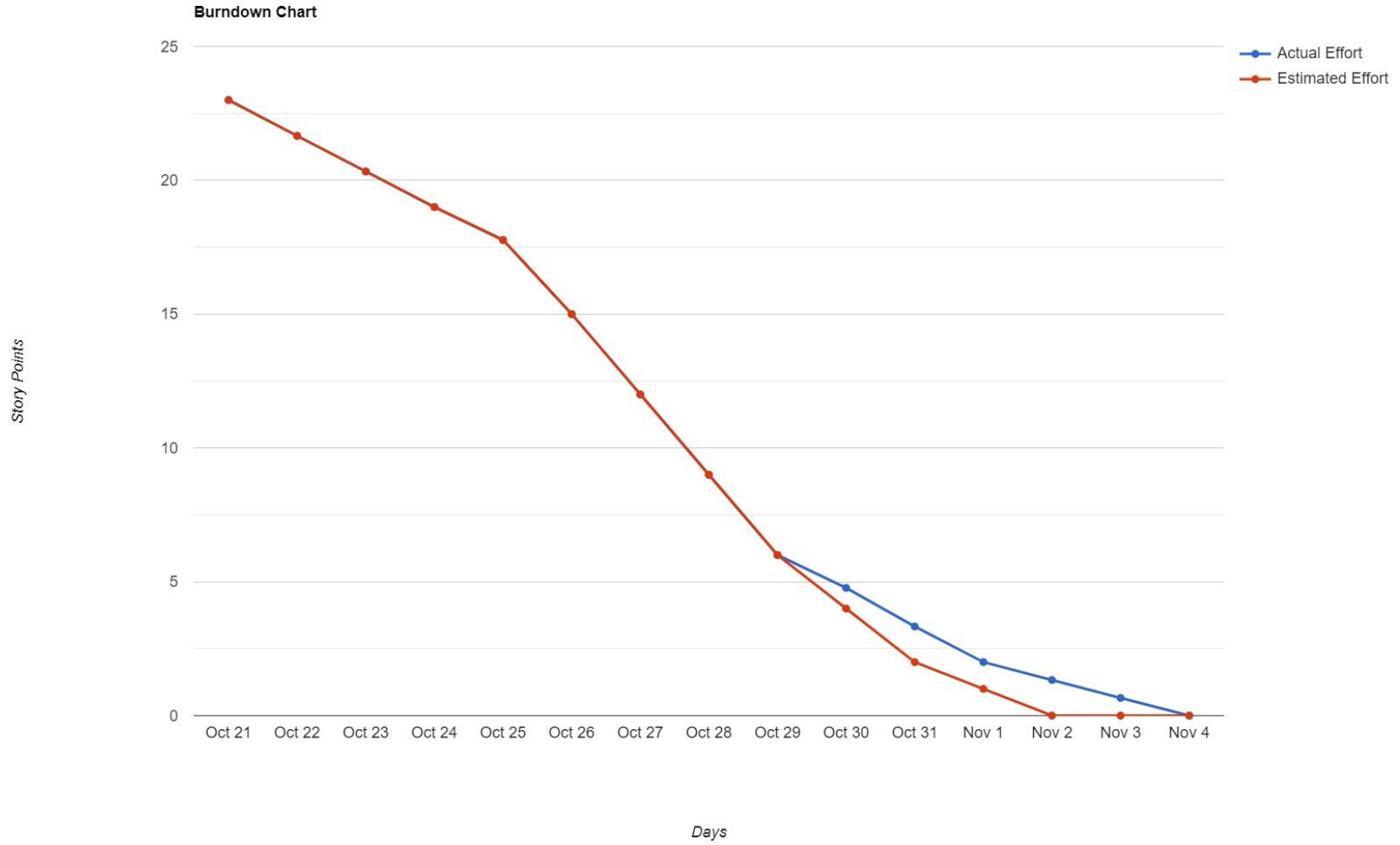
Velocity:

Imagine we have a 15-day sprint duration, and the velocity of the team is 24 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity} = 15/24 = 0.625$$

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.


Burndown Chart
Actual Effort
Estimated Effort
25
20
15
10
5
0
Story Points
Oct 21
Oct 22
Oct 23
Oct 24
Oct 25
Oct 26
Oct 27
Oct 28
Oct 29
Oct 30
Oct 31
Nov 1
Nov 2
Nov 3
Nov 4
Days