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

Date	06 November 2022
Team Lead	Febia Thomas
Team Members	Aryan TSB Girish Kumar S Madhav Hari V
Project Name	Early Detection of Chronic Kidney Disease using Machine Learning

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	Adding Data	USN-1	As a user, I can feed my data as the input into the application for it to predict thepossibility of kidney disease.	5	High	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V
Sprint-1	Checking accuracy	USN-2	As a user, I can check theability and accuracy of the model in obtaining the required information	5	Medium	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V
Sprint-2	Data classification	USN-3	As a user, I can examinethe working action of theapplication model	5	Medium	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Checking for disease	USN-4	As a user, I can verify with the application that the given data is identified with the possibility of kidney disease with the help of the trained and tested data	5	High	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V
Sprint-3	User interaction	USN-5	As a user, I can interact with the web app to process the accurateresult in a meanwhile	5	High	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V
Sprint-3	Medical assistance	USN-6	As a user, I can get medical advises and recommendations for to boost the action of curing the disease	5	Low	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari V
Sprint-4	Data extraction	USN-7	As a user, I can retrieve the result datafrom the application for data storage for further medical research uses.	10	Medium	Febia Thomas Aryan TSB Girish Kumar S Madhav Hari 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	10	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	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)

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

Sprint-1 = AV -> sprint duration/velocity = 10/6 = 1.666

Sprint-2 = AV -> sprint duration/velocity = 10/6 = 1.666

Sprint-3 = AV -> sprint duration/velocity = 10/6 = 1.666

Sprint-4 = AV -> sprint duration/velocity = 10/6 = 1.666

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.

Detection of Kidney Di...
Software project

← Back to project

Reports

Overview

Burnup report

Sprint burndown chart

Cumulative flow diagram

Cycle time report

Deployment frequency report

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Sprint
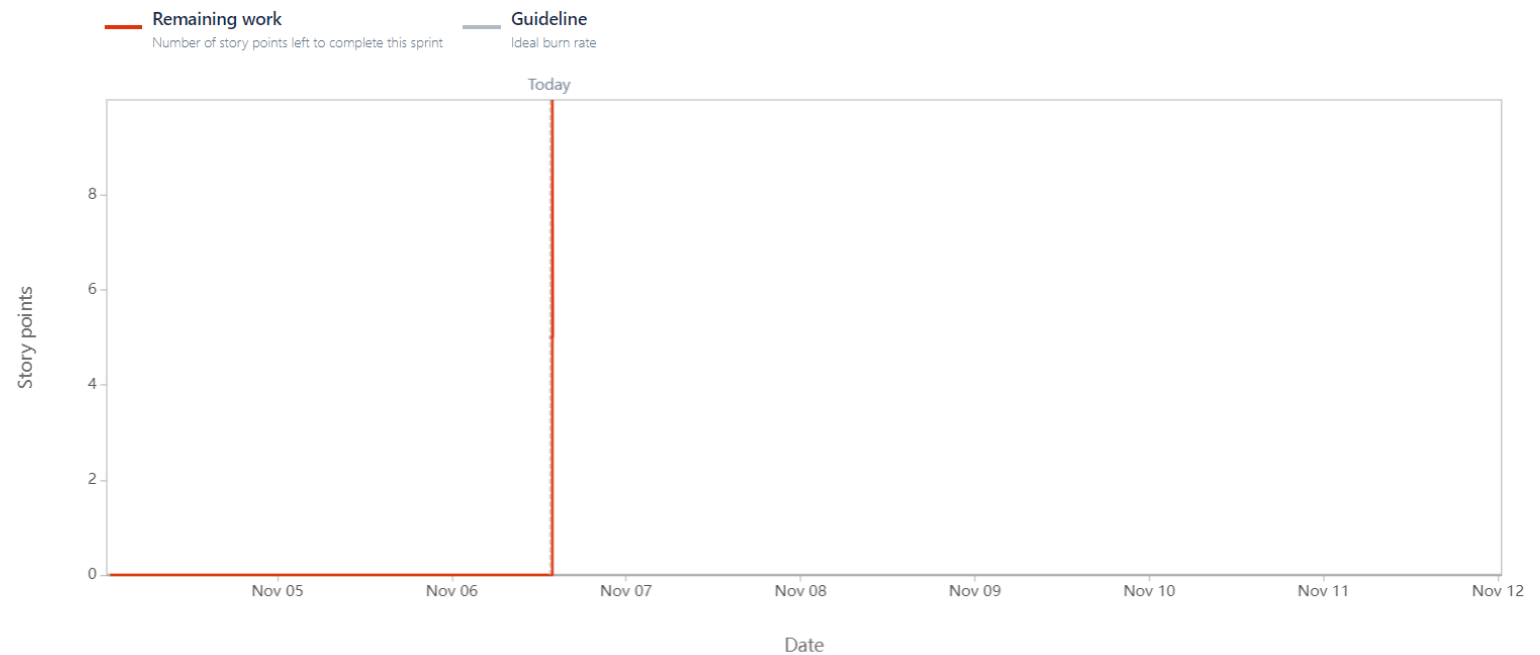DKD Sprint 3 ⌄

Estimation field
Story points ⌄

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Date - November 4th, 2022 - November 12th, 2022

— **Remaining work**
Number of story points left to complete this sprint

— **Guideline**
Ideal burn rate

Today

Story points

8

6

4

2

0

Nov 05   Nov 06   Nov 07   Nov 08   Nov 09   Nov 10   Nov 11   Nov 12

Date

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts