

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	21 October 2022
Team ID	PNT2022TMID40374
Project Name	Detecting Parkinson's Disease Using Machine Learning
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	Registration	USN-1	As a user, I can register for the web application by entering my email, password, and confirming my password.	2	High	Yeswanth D Sivagurusakthivel B
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Rajkumar P Nimalraj V
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Abimanyu K
Sprint-2	Registration	USN-4	As a user, I can register for the application through Google Account	2	Low	Sivagurusakthivel B Rajkumar P
Sprint-1	Registration	USN-5	As a user, I can register for the application through Gmail	2	Medium	Abimanyu K Nimalraj V
Sprint-1	Login	USN-6	As a user, I can log into the application by entering email & password	1	High	Yeswanth D
Sprint-3	Dashboard	USN-7	As a user, I can see the description about the option in web application	2	Low	Abimanyu K Nimalraj V
Sprint-3	Dashboard	USN-8	As a user, I can provide the necessary details and answer the question in that website honestly	2	High	Yeswanth D Sivagurusakthivel B Rajkumar P
Sprint-3	Dashboard	USN-9	As a user, I upload the drawn images and get the desired result along with the accuracy	2	High	Yeswanth D Sivagurusakthivel B
Sprint-4	Dashboard	USN-10	As a user, I can able to see the Nearby located Hospitals, and some medication advices	1	Low	Rajkumar P Nimalraj V Abimanyu K
Sprint-4	Management	USN-11	As a Administrator, I will update our web application with additional features.	2	Low	Yeswanth D Sivagurusakthivel B
Sprint-4	Management	USN-12	As a Administrator, I can maintain third party Services	1	High	Rajkumar P Nimalraj V Abimanyu K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Management	USN-13	As a Administrator, I will collect new dataset and keep our model well trained to avoid noise and duplication.	2	High	Yeswanth D Sivagurusakthivel B Rajkumar P
Sprint-2	Management	USN-14	As a Administrator, I can maintain the information about the user and provide privacy to them	2	High	Abimanyu K Nimalraj 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	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	6	6 Days	31 Oct 2022	05 Nov 2022	6	05 Nov 2022
Sprint-3	6	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	6	6 Days	14 Nov 2022	19 Nov 2022	6	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)

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

$$AV (\text{Sprint 1}) = 6/6 = 1$$

$$AV (\text{Sprint 2}) = 6/6 = 1$$

$$AV (\text{Sprint 3}) = 6/6 = 1$$

$$AV (\text{Sprint 4}) = 6/6 = 1$$

$$AV (\text{Total}) = 24/24 = 1$$

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.

The screenshot shows the Jira Software interface for a project named "Detecting Parkinson's Disease Using Machine Learning". The interface is divided into a sidebar on the left, a main content area, and a "Quickstart" panel on the right.

Sidebar:

- PLANNING:** Roadmap, Backlog (selected), Board.
- DEVELOPMENT:** Code.
- Project pages:** Add shortcut, Project settings.
- Footer:** You're in a team-managed project. Learn more.

Main Content Area:

- Header:** "Does your team need more from Jira? Get a free trial of our Standard plan."
- Breadcrumb:** Projects / Detecting Parkinson's Disease Using Machine Learning
- Section:** Backlog
- Filters:** Search, YD, Epic, Insights.
- Sprints:**
 - DPDUML Sprint 1** (24 Oct – 29 Oct, 4 issues):
 - DPDUML-1: As a user, I can register for the web application ... (2) IN PROGRESS YD
 - DPDUML-2: As a user, I will receive confirmation email once... (1) IN PROGRESS YD
 - DPDUML-5: As a user, I can register for the application thro... (2) IN PROGRESS YD
 - DPDUML-6: As a user, I can log into the application by enter... (1) IN PROGRESS YD
 - DPDUML Sprint 2** (31 Oct – 5 Nov, 3 issues):
 - DPDUML-3: As a user, I can register for the application thro... (2) IN PROGRESS YD

Quickstart Panel:

- ✓ Create a project
- ✓ Deliver more often with scrum
- ✓ Create an issue
- ✓ Invite your teammates
- ✓ Connect your tools
- The tools you use every day connect to Jira. Here are some you might want to connect now.
- Slack, Microsoft Teams, GitHub (each with a "Connect" button)
- Dismiss Quickstart

<https://www.visual-paradiqm.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>