# 2Project Planning Phase
## Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID08575 |
| Project Name | Project – Web Phishing Detection |
| 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 application by entering my email, password, and confirming my password. | 2 | Medium | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-1 | Login | USN-2 | As a user, I can log into the application by entering email & password | 3 | Medium | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-2 | Collection of Dataset | USN-3 | As a developer, I need to collect related data stored in a digital format to make machine learning models to understand. | 3 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-2 | Data Pre-Processing | USN-4 | As a developer, I need to cleaning and organizing the raw data to make it suitable for building and training the model | 5 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-3 | Model Building | USN-5 | As a developer, I need to use the dataset to built a model and test it using the test dataset | 13 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-4 | UI Design | USN-6 | As a developer,I need to provide the user a good experiencing User interface | 5 | Medium | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-4 | UI Integration | USN-7 | As a developer, I need to integrate UI page and the model to get user input and display the result in more user-friendly manner. | 8 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |

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|--------|-------------------------------|-------------------|-------------------|--------------|----------|--------------|
| Sprint-4 | Dashboard | USN-8 | As a user, I should be able to enter my URL so that the model will return the result. | 5 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |
| Sprint-4 | Result | USN-9 | As a user, I can receive whether the URL has legitimacy or not. | 3 | High | Sampathkumar.p, Sanjai kumar S,Janan C, Dharineesh B |

**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 | 5 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | | |
| Sprint-2 | 3 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | | |
| Sprint-3 | 13 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | | |
| Sprint-4 | 21 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | | |
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**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)

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

**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.

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