

## Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID15184
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	User input	USN-1	The user enters an URL in the required field to check its validity.	5	Medium	Harika.A.V.S
Sprint-1	Website comparison	USN-2	A blacklist and whitelist approach is used to compare the websites.	10	High	Bindu.C
Sprint-1	storage	USN-3	Database storage using IBM cloud for blacklisted websites.	15	High	Sadvika.C
Sprint-2	Feature extraction	USN-4	If none of the features are found on comparison, then heuristic and visual similarity will be used to estimate their features.	10	High	Vijayasai.D
Sprint-2	Prediction	USN-5	Logistic regression algorithms are used to predict URLs.	10	Medium	Harika.A.V.S
Sprint-2	Accuracy test	USN-6	A decision is made regarding the best accurate model to be used and the next steps are processed.	15	High	Sadvika.c
Sprint-3	classifier	USN-7	Classifier receives all model outputs and produces final results.	5	Medium	Vijayasai.D
Sprint-3	Hosting	USN-8	Using IBM cloud services to set up applications and host them	10	Medium	Bindu.Ch

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Announcement	USN-9	When a website is scanned, the model shows whether it is a legitimate site or a phishing one.	15	High	Sadvika.c
Sprint-4	Events	USN-10	In order to use this model correctly, a website needs to be able to retrieve and display accurate results.	10	High	Harika.A.V.S

#### 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	20	7 Days	24 Oct 2022	30 Oct 2022	19	31 Oct 2022
Sprint-2	20	5 Days	31 Oct 2022	04 Nov 2022	18	05 Nov 2022
Sprint-3	20	7 Days	05 Nov 2022	11 Nov 2022	20	11 Nov 2022
Sprint-4	20	8 Days	12 Nov 2022	19 Nov 2022	17	20 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)

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

**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.

