Project Planning Phase

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

Date	13 October 2022
Team ID	PNT2022TMID51534
Project Name	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	URL detector	USN-1	URL is the first thing to analyse a website to decide whether it is a phishing or not	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S
Sprint-1		USN-2	Some of URL-Based Features are • Digit count in the URL • Total length of URL • Checking whether the URL is typo-squatted or not • Checking whether it includes a legitimate brand name or not • Number of subdomains in URL • TLD is one of the commonly used one	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S

Sprint-2	Domain detection	USN-3	The purpose of Phishing Domain Detection is detecting phishing domain names. Therefore, passive queries related to the domain name, which we want to classify as phishing or not, provide useful information to us.	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S
Sprint-2		USN-4	Some useful Domain-Based Features are • Its domain name or its IP address in blacklists of well-known reputation services? • How many days passed since the domain was registered? • Is the registrant name hidden?	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S
Sprint-3	Page based features and Content based features	USN-5	Page-Based Features are using information about pages which are calculated reputation ranking services. Obtaining these types of features requires active scan to target domain. Page contents are processed for us to detect whether target domain is used for phishing or not	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S

Sprint-3			• Global pagerank • Country pagerank • Position at the Alexa top 1 million site Some processed information about pages are • Page titles • Meta tags • Hidden text • Text in the body • Images etc.	10	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.S
Sprint-4	Detection process	USN-6	Detecting Phishing Domains is a classification problem, so it means we need labeled data which has samples as phish domains and legitimate domains in the training phase	20	High	M.Nishanth Ruben.R Vijay santhar.M Thangaraj.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	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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)

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

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.