

## Project Design Phase-II

### Data Flow Diagram & User Stories

|               |                                 |
|---------------|---------------------------------|
| Date          | 12 October 2022                 |
| Team ID       | PNT2022TMID05817                |
| Project Name  | Project - Web Phising Detection |
| Maximum Marks | 4 Marks                         |

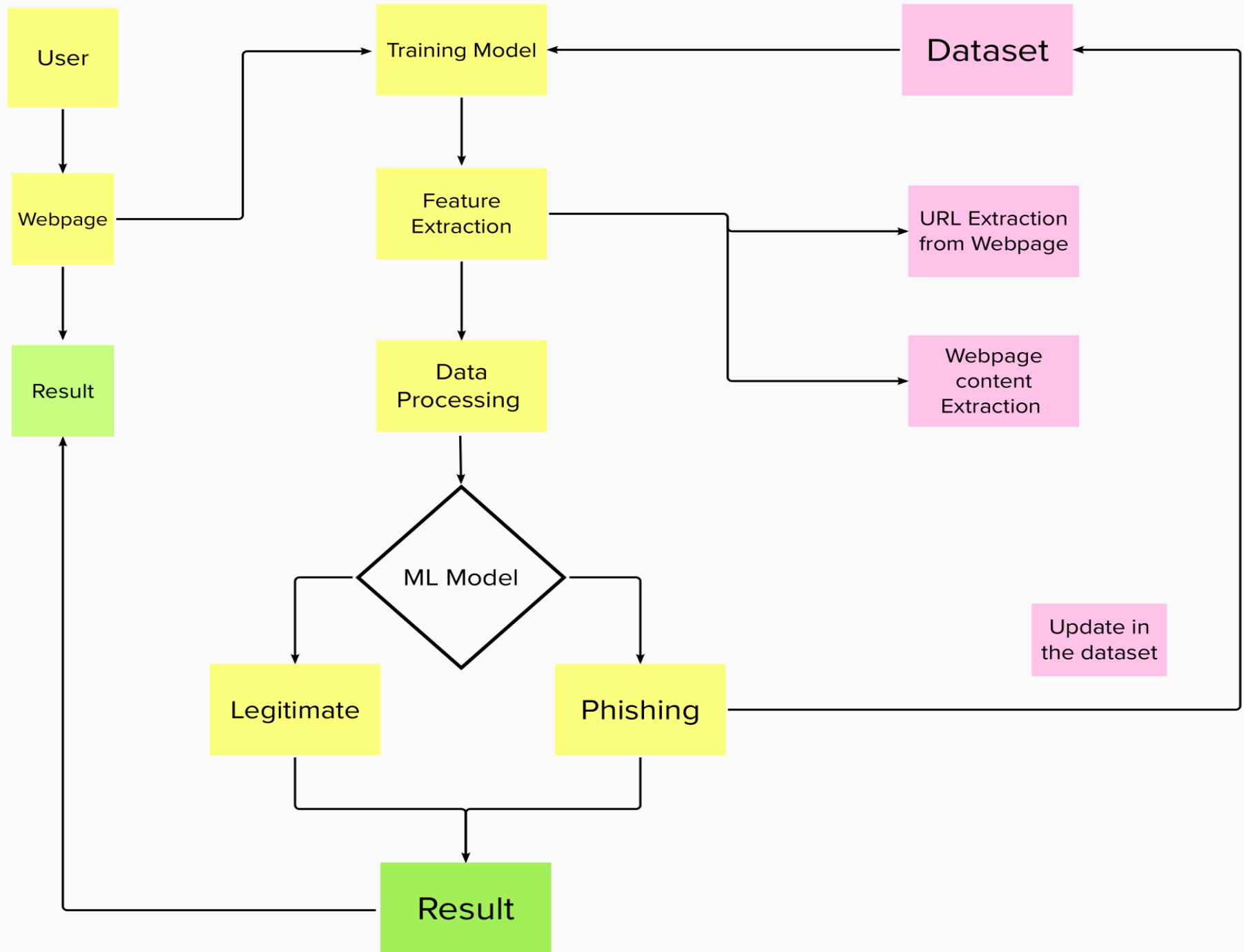
#### Data Flow Diagrams:

A popular and common method for cybersecurity threats is phishing URLs. Phishing is a type of cybercrime that aims to convince its victims to provide the attacker access to their private and sensitive information. The attacker wants to obtain personal information such as user names, passwords, financial account information, information from social networking sites, and addresses.

Then, these confidential login information is frequently exploited for nefarious purposes including fraud, infamy, profit, reputation damage, and many other unlawful acts. This paper provides a thorough analysis of the various systems currently in use for phishing website detection. The technique described here makes use of advanced machine learning to classify webpages as phishing or starting with greater precision and accuracy.

Due to the anonymity offered by the internet and the rapid growth of online transactions, hackers try to trick end users by using techniques like phishing, SQL injection, malware, man-in-the-middle attacks, domain name system tunnelling, ransomware, web trojans, and so on.

Phishing is said to be the most misleading attack among all of these. Usually, the goal is to entice people to divulge sensitive data like system logins or financial information.



## User Stories

Use the below template to list all the user stories for the product.

| User Type               | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria  | Priority | Release  |
|-------------------------|-------------------------------|-------------------|---|--|----------|----------|
| Customer (Mobile user)  | Registration                  | USN-1             | As a user, I can register for the application by entering my email, password, and confirming my password.                               | I can access my account / dashboard  | High     | Sprint-1 |
|                         |                               | USN-2             | As a user, I will receive confirmation email once I have registered for the application   | I can receive confirmation email & click confirm                                 | High     | Sprint-1 |
|                         |                               | USN-3             | As a user, I can register for the application through Facebook  | I can register & access the dashboard with Facebook Login                        | Low      | Sprint-2 |
|                         |                               | USN-4             | As a user, I can register for the application through Gmail   |  | Medium   | Sprint-1 |
|                         | Login                         | USN-5             | As a user, I can log into the application by entering email & password  |  | High     | Sprint-1 |
|                         | Dashboard                     |                   |   |  |          |          |
| Customer (Web user)     | User Input                    | USN-1             | As a user, I can enter the required URL in the box while awaiting validation.   | I can access the website without any problem                                     | High     | Sprint-1 |
| Customer Care Executive | Feature Extraction            | USN-1             | In the event that nothing is discovered during comparison, we can extract features using a heuristic and a visual similarity technique. | As a user I can have comparison between websites for security                    | High     | Sprint-1 |
| Administrator           | Prediction                    | USN-1             | The model will use machine learning algorithms like a logistics regression and KNN to forecast the URLs of the websites.                | I can accurately forecast the specific algorithms in this way.                   | High     | Sprint-1 |
|                         | Classifier                    | USN-2             | To create the final product, I will now feed all of the model output to classifier.   | I'll use this to identify the appropriate classifier for generating the outcome. | Medium   | Sprint-2 |
|                         |                               |                   |   |  |          |          |
|                         |                               |                   |   |  |          |          |