Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID26927
Project Name	Web Phishing Detection
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

```
                                                    User

                                                     │
                                                     ▼
                              ┌──────────────── Webpage
                              │                      │
                              ▼                      ▼
     Training set      Webpage Content        URL Extraction
                         extraction            from webpage
          │                   │                      │
          ▼                   │                      ▼
       Feature                └──────────────► Data processing
      Extraction                                     │
          │                                          │
          ▼                                          ▼
   Data Processing ──► ML Classification ──►    Flask API
                                                     │
                                                     ▼
                                               Predictions

                              ┌──────────────────────┴──────────────────────┐
                              ▼                                              ▼
                          Legitimate                                    Phishing
```
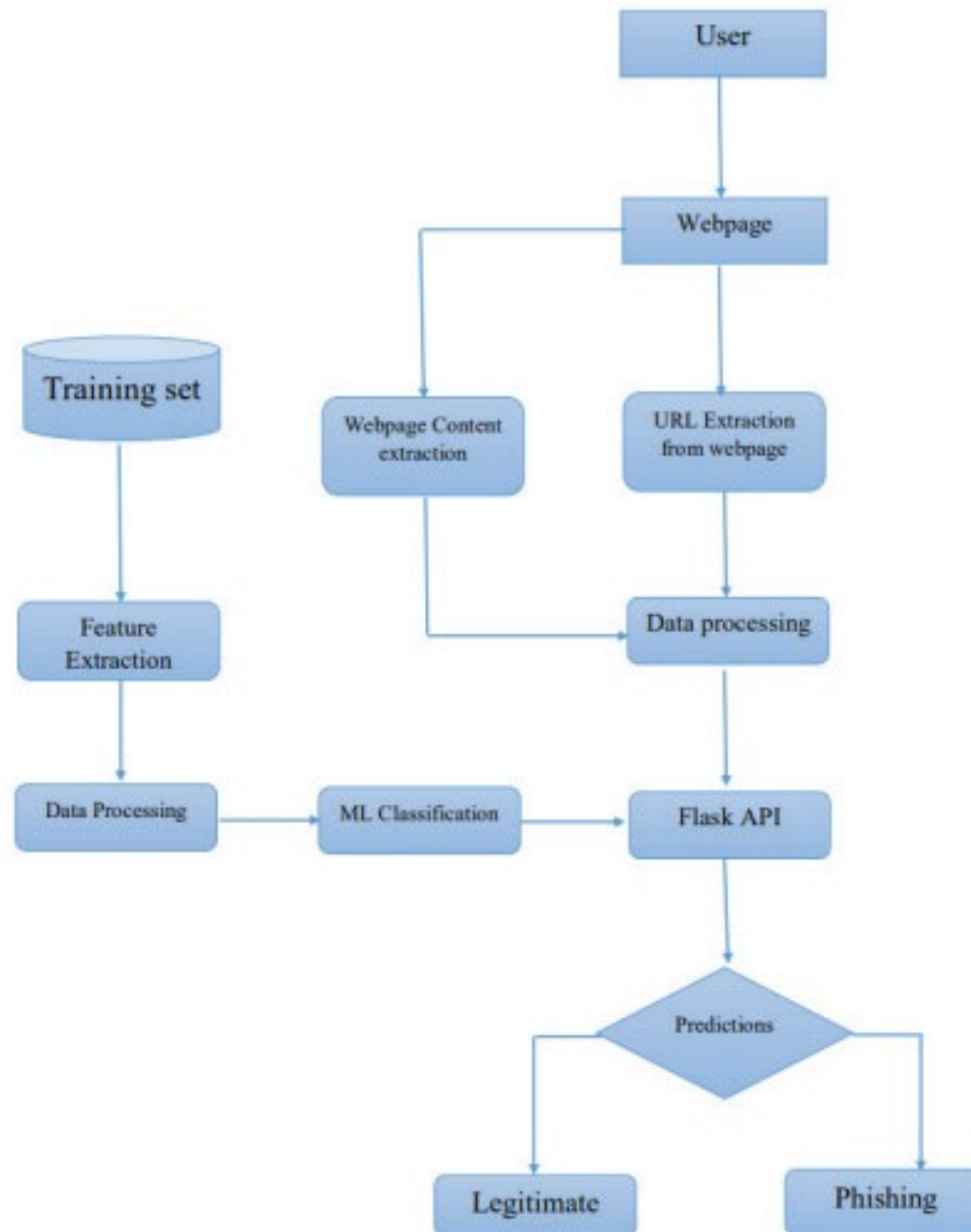
User Stories

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 give the URL as input in the required field and wait for validation.	I can access the website without any problem	High	Sprint-1
Customer Care Executive	Feature Extraction	USN-1	After the comparison, in case of detecting none then we can extract features using heuristic and visual similarity approaches.	As a User, I can have a comparison between websites for security	High	Sprint-1
Administrator	Prediction	USN-1	Here the Model will predict the URL using Machine Learning algorithms such as Logistic Regression and KNN.	I can have a correct prediction using particular algorithms	High	Sprint-1
	Classifier	USN-2	Here I will send all the model output to the classifier to produce the final result.	I can find the correct classifier for producing the result	Medium	Sprint-2