Project Design Phase-II
Data Flow Diagram & User Stories
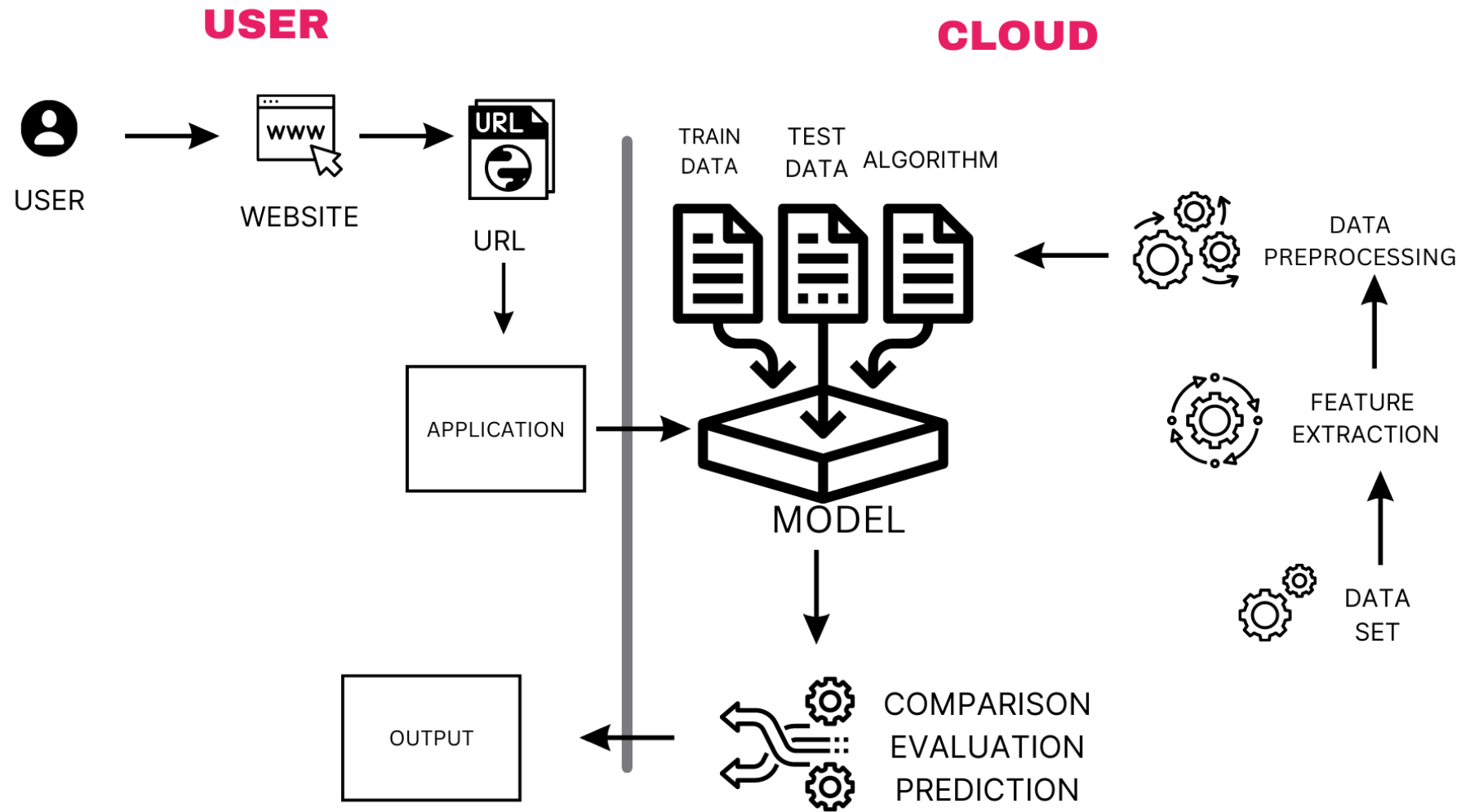
Date	12 October 2022
Team ID	PNT2022TMID33546
Project Name	Project – Web Phishing Detection
Maximum Marks	4 Marks

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.

THE FLOW:

1. User uses the web phishing detection website.
2. User surfs for a website.
3. The URL is extracted and given into the application.
4. The application calls for the already built Web Phishing detection model.
5. The model is pretrained. From dataset the features are extracted, data preprocessing is completed.
6. This is taken as training and testing data to train the model using various algorithms.
7. The input url to this model is compared and evaluated.
8. The final predicted result is given as output.

USER

USER → WEBSITE → URL

URL → APPLICATION → MODEL

APPLICATION → OUTPUT

CLOUD

TRAIN DATA   TEST DATA   ALGORITHM

MODEL

DATA PREPROCESSING

FEATURE EXTRACTION

DATA SET

COMPARISON
EVALUATION
PREDICTION

OUTPUT

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 (Web 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-2
	Dashboard	USN-6	Easy access to the application. Can find recent news on phishing and other cyber attacks and prevention methods	Usage of application	High	Sprint-3
Customer (Extension user)	User Input	USN-1	As the user i can input the particular URL in the required field and waiting for a validation		Medium	Sprint-3
Customer Care Executive	Feature Extraction	USN-1	After I compare in case if none found on comparison then we can extract feature using heuristic and visual similarity approach	As a user I can have comparison between websites for security	High	Sprint-3
Administrator	Prediction	USN-1	Here the Model will predict the URL websites using Machine Learning algorithms such as Logistic Regression, KNN	In this I can have correct prediction on the particular algorithms	High	Sprint-4
	Classifier	USN-1	Here I will send all the model output to classifier in order to produce final result.	In this I will find the correct classifier for producing the result	Medium	Sprint-4