Project Design Phase-II
Data Flow Diagram &User Stories

Date	03October 2022
Team ID	PNT2022TMID48632
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 flow 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 charges the information, and where data is stored. A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually "say" things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO.

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┌─────────────────┐
│  User's search  │
└─────────────────┘
         │
         ▼
┌─────────────────┐        ┌─────────────────┐    ┌──────────────────┐
│    Website      │        │   URL analysis  │    │ Content analysis │
└─────────────────┘        └─────────────────┘    └──────────────────┘
         │                          ▲                      ▲
         ▼                          └──────────┬───────────┘
┌─────────────────┐        ┌──────────────────┐        ┌──────────────────┐
│  Trained model  │───────▶│ Feature Extraction│──────▶│ Data Processing  │
└─────────────────┘        └──────────────────┘        └──────────────────┘
         ▲                                                       │
         │                                                       ▼
┌─────────────────┐        ┌──────────────┐              ◇─────────────◇
│ Open the website│◀───────│  Legitimate  │◀─────────────◇  ML Model   ◇
└─────────────────┘        │   Website    │              ◇─────────────◇
                           └──────────────┘                     │
                                                                ▼
                                                        ┌──────────────┐
                                                        │   Phishing   │
                                                        └──────────────┘
                                                                │
                                                                ▼
                                                        ┌──────────────┐
                                                        │   Dataset    │
                                                        └──────────────┘
```
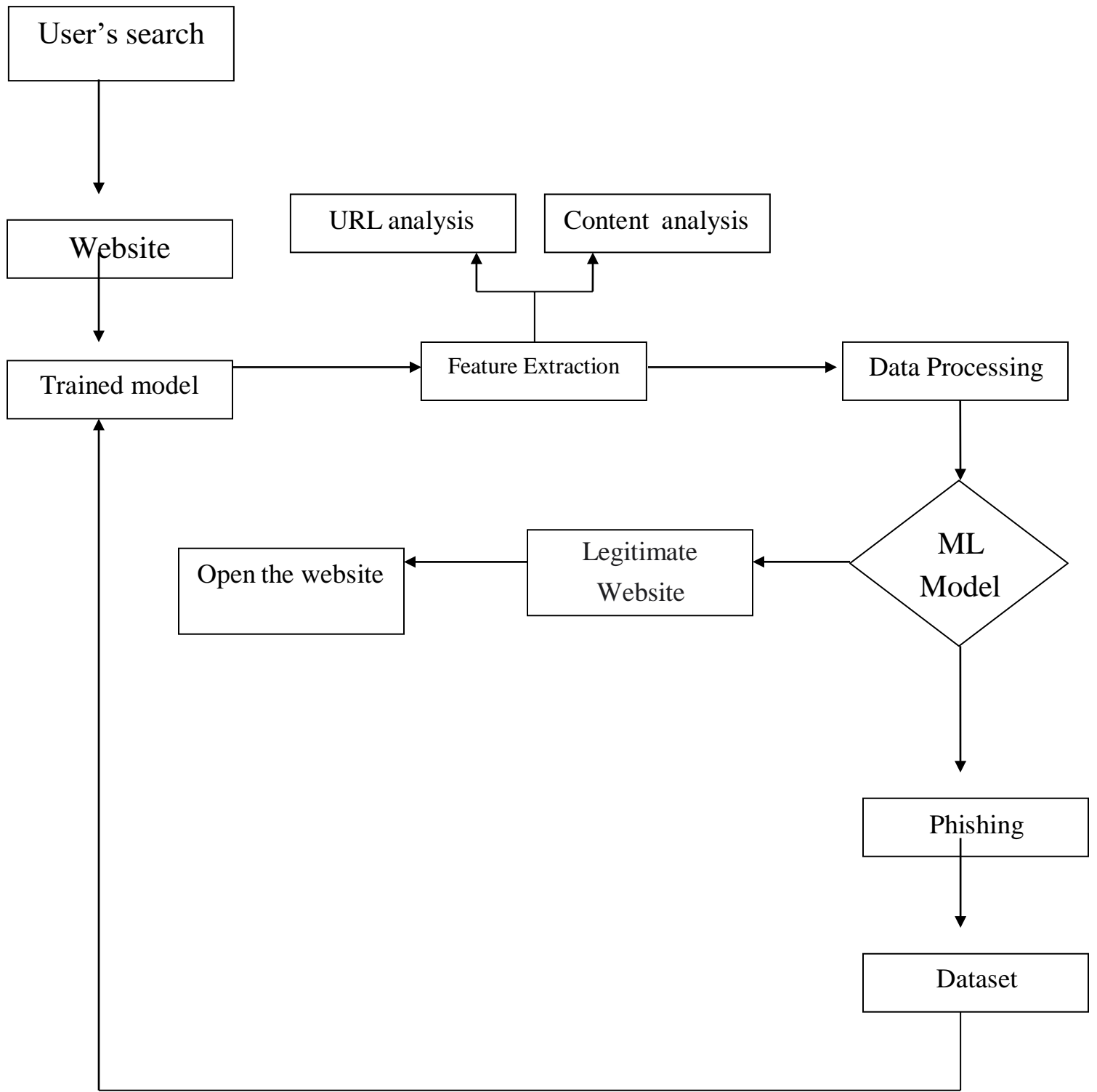
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
General Users	Home Page	USN-1	The user finds the home page easy to navigateand feels comfortable with the user interface	The every user can access and visit the Homepage	High	Sprint1
Client user(Customer)	Sign up	USN-2	The user will get authentication over their account by security measures	The client customer would register for the application using their email and setting up their own passwords for accessing the application.	High	Sprint 2
		USN-3	The user will be able to authorise their accountonly if they remember their authentication key (biometrics if suitable hardware available,password)	The client user can access the application if their registration is confirmed by verifying with their email.	Medium	Sprint 2
	Login	USN-4	The user can register using either their google account or their mobile number	The client user can login after getting registered	Medium	Sprint 2
	Dashboard	USN-5	The user can go through the facilities providedby the product	The user can view their profile and status in their dashboard	Low	Sprint 3
Administrator	Prediction	USN-6	User would be prompted with a pop up indicating the trustfulness of the website	The user can accurately forecast about the algorithms used.	High	Sprint 3
	Results page	USN-7	The user would be able to analyse websitewhether it's genuine or not	The results of the website on whether the web pages is genuine or not.	Medium	Sprint 4
Customer Care Executive	Reporting	USN-8	The user can report for any bugs or ask any queries on the product	Bugs or queries can be enquired by the user.	High	Sprint 4