Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 November 2022
Team ID	PNT2022TMID49894
Project Name	Web Phishing Dedection
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.

Example: (Simplified)

```
                                    ┌─────────────┐
                                    │    User     │
                                    └──────┬──────┘
                                           │
                                           ▼
                    ┌──────────────┐  ┌─────────────┐
                    │              │  │   Webpage   │
                    │              │  └──────┬──────┘
                    │              │         │
   ┌────────────┐   ▼              ▼         ▼
   │Training set│ ┌──────────────┐ ┌─────────────────┐
   └─────┬──────┘ │Webpage Content│ │ URL Extraction  │
         │        │  extraction   │ │  from webpage   │
         │        └───────┬───────┘ └────────┬────────┘
         ▼                │                   │
   ┌────────────┐         │                   ▼
   │  Feature   │         └──────────►┌─────────────────┐
   │ Extraction │                     │ Data processing │
   └─────┬──────┘                     └────────┬────────┘
         │                                     │
         ▼                                     ▼
   ┌──────────────┐  ┌──────────────────┐ ┌─────────────┐
   │Data Processing│─►│ ML Classification│─►│  Flask API  │
   └──────────────┘  └──────────────────┘ └──────┬──────┘
                                                  │
                                                  ▼
                                            ╱─────────────╲
                                           ╱  Predictions  ╲
                                           ╲               ╱
                                            ╲─────────────╱
                                     ┌──────────┘     └──────────┐
                                     ▼                           ▼
                              ┌────────────┐             ┌────────────┐
                              │ Legitimate │             │  Phishing  │
                              └────────────┘             └────────────┘
```

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Login	USN-1	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)						
Customer Care Executive						
Administrator	Maintain data		Have to calculate the data according to ddefault values		High	