**PROJECT DESIGN PHASE-II**

**DATA FLOW DIAGRAM & USER STORIES**

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| --- | --- |
| **Date** | 13 October 2022 |
| **Team ID** | PNT2022TMID49605 |
| **Project Name** | Project – Web phishing Detection |
| **Maximum Marks** | 4 Marks |

**Data Flow Diagram:**

A Data Flow Diagram (DFD) maps out the flow of information for any process or system. A neat and clear DFD can depict the right amount of the system requirement graphically. It highlights the movement of information as well as the sequence of steps or events required to complete a task.

User

Prediction

Training Set

Feature extraction

Data processing

ML classification

Webpage content extraction

Legitimate

Phishing

Flask API

Data processing

URL Extraction from Webpage

Webpage

**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 | I can register for the application by entering my email, password, and confirming password | I can access my account | High | Sprint-1 |
|  | Login | USN-2 | I can log into the application by entering email & password |  | High | Sprint-1 |
|  | Dashboard |  |  |  |  |  |
| Customer (Web user) | User input | USN-1 | I can input the particular URL in the required field and waiting for validation. | I can go access the website without any problem | High | Sprint-1 |
| 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. | I can have comparison between websites for security | High | Sprint-1 |
| Administrator | Prediction | USN-1 | Here the Model will predict the URL websites using Machine Learning algorithms that is decision tree | In this I can have correct prediction on the particular algorithms | High | Sprint-1 |
|  | Classifier | USN-2 | 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-2 |