**Innovation Phase 2**

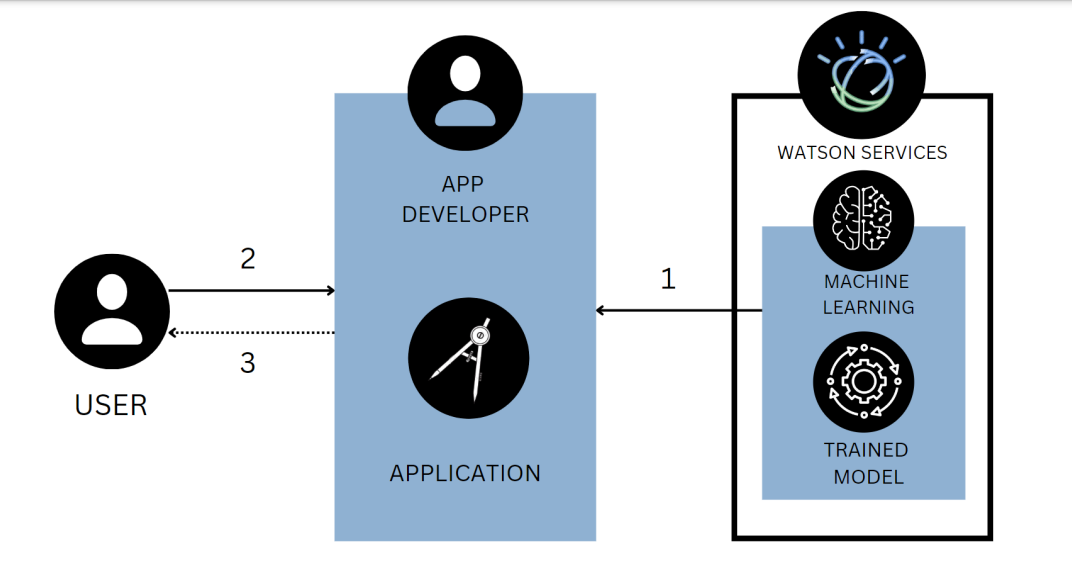
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| **Date** | 10 October 2023 |
| **Project Name** | Machine Learning Model Deployment with IBM Cloud Watson Studio |
| **Team Member** | 1.HALISH RICHARD J (TL)  2. MOHAMED ATHIL M  3. ARUSAMY A  4. RAHUL DRAVID A |

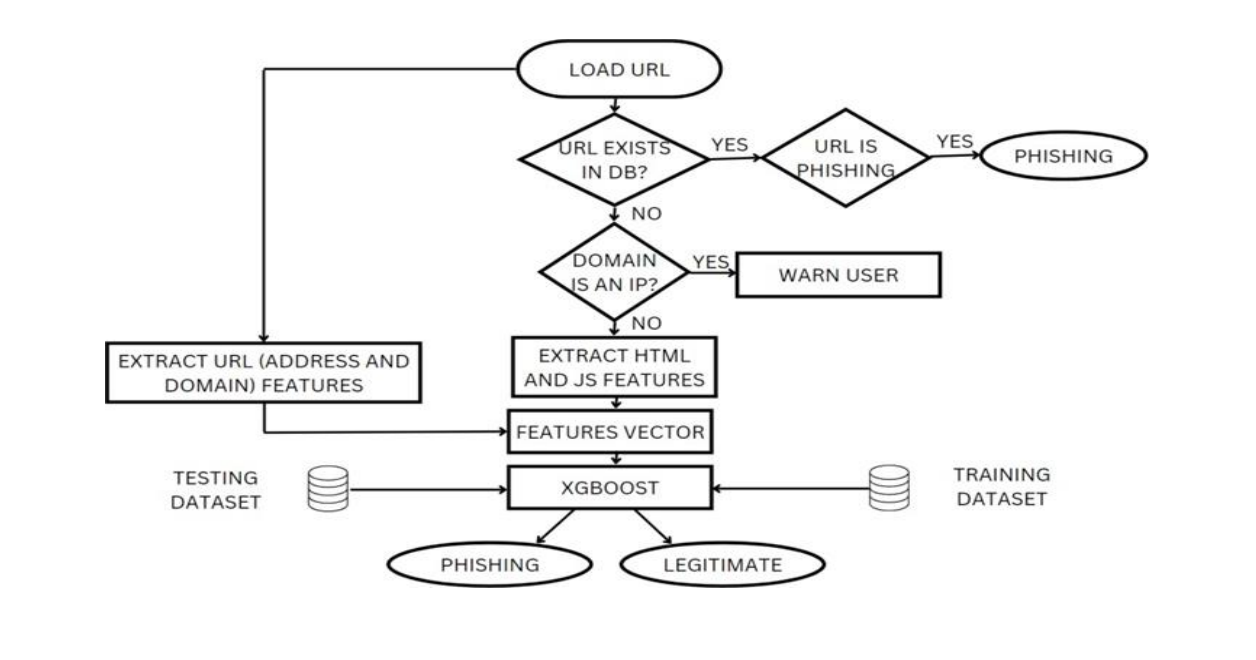
**Innovations and Enhancements**

Our solution is to build an efficient and intelligent system to detect phishing sites by applying a machine learning algorithm which implements classification algorithms and techniques to extract the phishing datasets criteria to classify their legitimacy by carefully analysing and identifying various factors that could be used to detect a phishing site. These factors fall under the categories of address bar-based features, domain-based features, HTML & JavaScript based features. Using these features, we can identify a phishing site with high accuracy

**Technical Architecture:**

Technical architecture which is also often referred to as application architecture includes the major components of the system, their relationships, and the contracts that define the interactions between the components. The goal of technical architects is to achieve all the business needs with an application that is optimized for both performance and security.

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Fig-1**

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**Fig-2**

1. The application developer builds a Python-based app and deploys it.

2. The user enters the URL of a website in the application to check for its genuineness.

3. The user submits the URL through the web-based application and gets back the result.

4. The user makes a decision whether to proceed surfing in that website or move to another one.