Project Planning Phase - Technology Stack

Date	23/10/2023
Team ID	Team-592462
Project Name	Fake/Real Logo Detection
Maximum Marks	4 Marks

Technical Architecture:

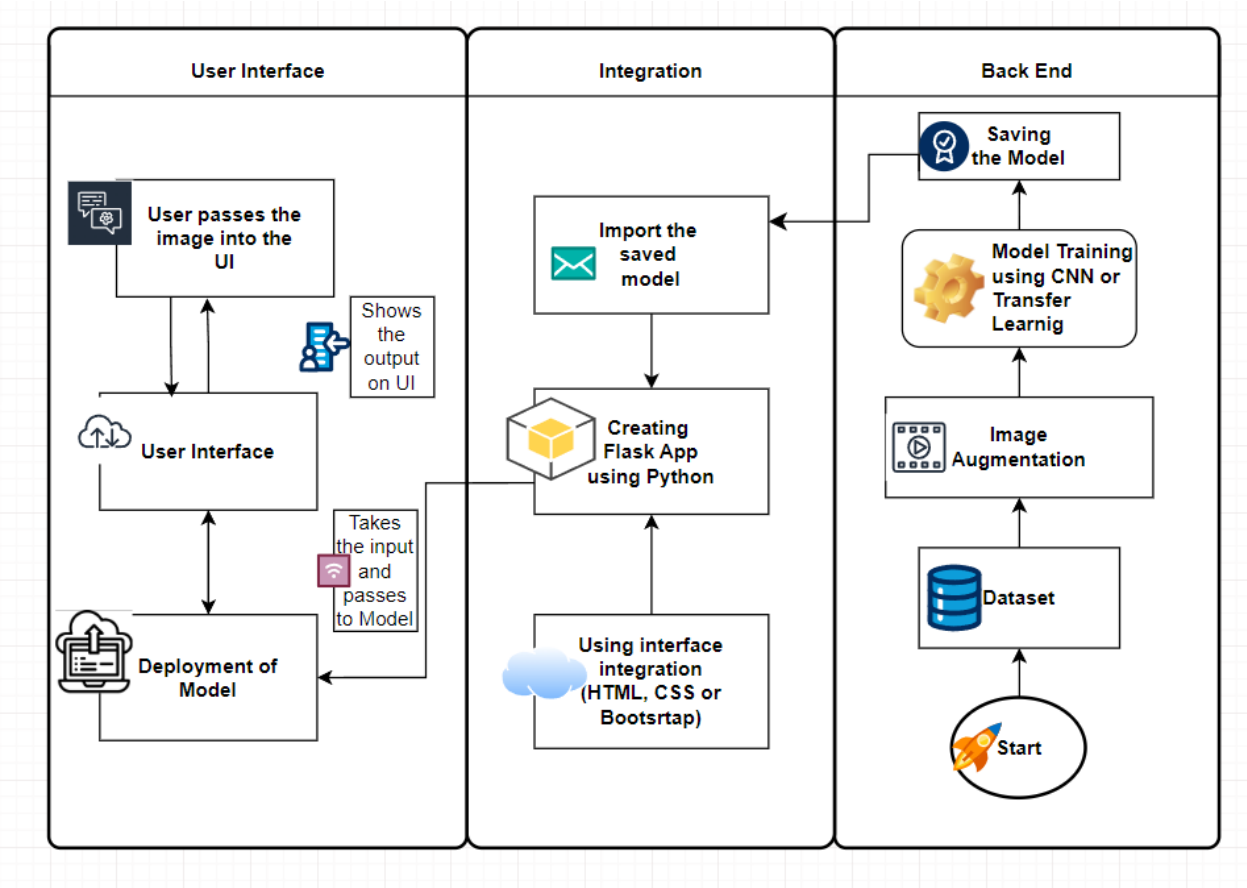

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1	User Interface	Front-end interface for user interaction.	HTML, CSS, JavaScript / Python
2	Application Logic-1	Business logic for the web application.	Python
3	Database	Data storage for user accounts and images.	MySQL, NoSQL
4	File Storage / Data	Storage for image data and user-related data.	Local System
5	Framework	Web application framework for deployment.	Python Flask
6	Deep Learning Model	VGG-19 architecture for logo classification.	Convolutional Neural Network (CNN)
7	Infrastructure	Server/cloud infrastructure for deployment.	Server / Cloud

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Utilizes open-source frameworks and tools for development and deployment.	Python Flask, VGG-19 architecture
2	Security Implementations	Implements security measures to protect against malicious activities and ensure data privacy.	SSL/TLS, User authentication, Secure API
3	Scalable Architecture	Designed with scalability in mind, enabling the system to handle increased loads seamlessly.	Containerization (Docker), Load balancing
4	Availability	Ensures high availability of the system, minimizing downtime for users.	Cloud Hosting (AWS, Azure, GCP)
5	Performance	Focuses on optimizing system performance to provide rapid and accurate logo classification.	Model optimization, Caching mechanisms