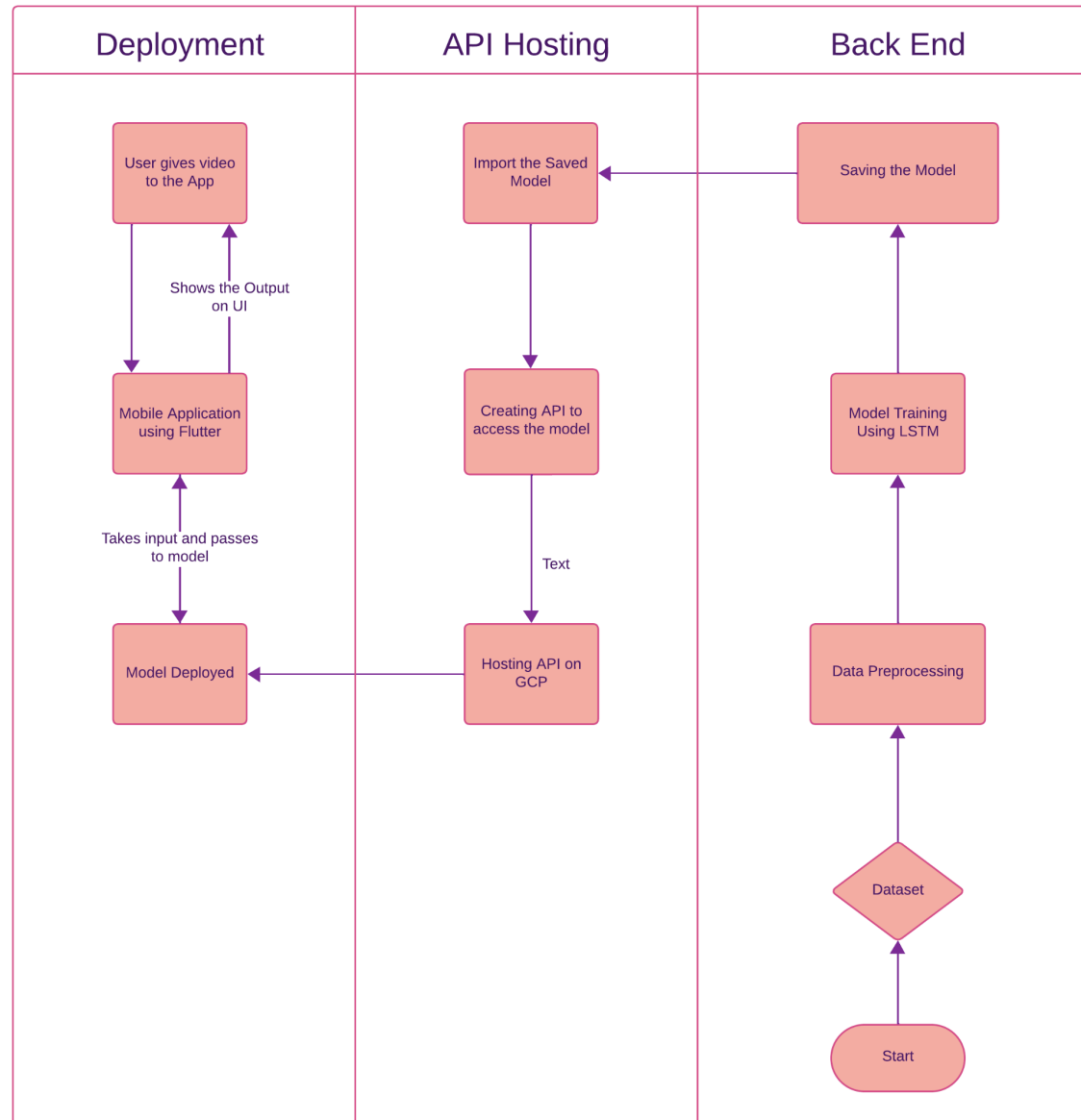


**Project Design Phase-II**  
**Technology Stack (Architecture & Stack)**

Date	29-10-2023
Team ID	Team-591621
Project Name	Lip Reading Using Deep Learning
Maximum Marks	4 Marks

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	File Storage/ Data	File storage requirements for Storing the dataset	Local System
2.	Model	Mathematical or computational representation used for tasks like predictions or problem-solving.	LSTM
3.	Infrastructure	The underlying hardware and software framework supporting applications.	Google Cloud Platform
4.	User Interface Design	The process of creating a visually appealing and user-friendly interface.	Figma
5.	User Interface Development	Coding and implementation of designed user interfaces.	Flutter

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	We have used Tensorflow and Flutter in this project	Flutter, Tensorflow
2.	Security Implementations	Our App doesn't need security implementations	Nil
3.	Scalable Architecture	Using GCP we can scale the architecture to adapt to requirements.	Google Cloud Platform

4.	Availability	Using GCP we will be able to increase the availability of our application	Google Cloud Platform
5.	Performance	Using GCP, we can increase our app's scalability and reliability	GCP (Monitoring,Cache), Flutter