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

Date	03 October 2022
Team ID	PNT2022TMID32654
Project Name	Project – Car Resale Value Prediction
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2.
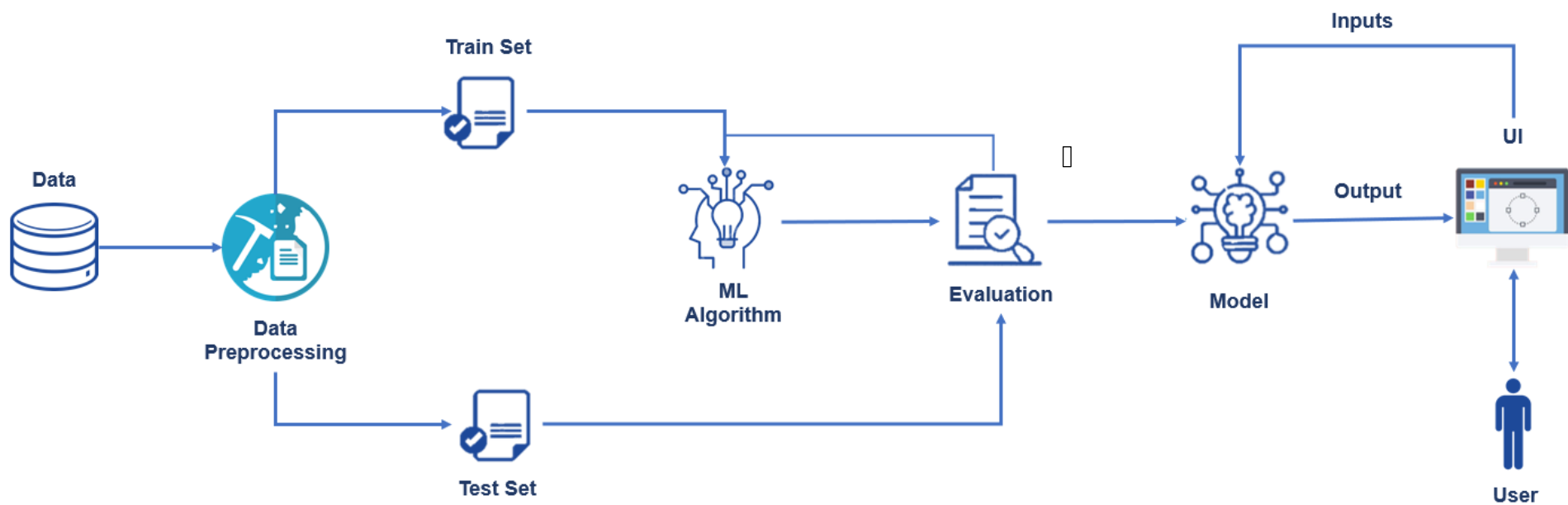
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS
2.	Application Logic-1	Logic for a process in the application	PYTHON
3.	Application Logic-2	Logic for a process in the application	IBM Watson
4.	Database	Data Type, Configurations etc.	MySQL.
5.	Cloud Database	Database Service on Cloud	IBM Cloudant.
6.	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
7.	External API-2	Purpose of External API used in the application	Aadhar API, etc.
8.	Machine Learning Model	Purpose of Machine Learning Model	Value Recognition Model, etc.
9.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration	Local

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Python Flask
2.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	PYTHON

S.No	Characteristics	Description	Technology
3.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	PYTHON
4.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	PYTHON