

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

Date	03 October 2022
Team ID	PNT2022TMID02178
Project Name	Car Resale Value Prediction
Maximum Marks	4 Marks

Technical Architecture:

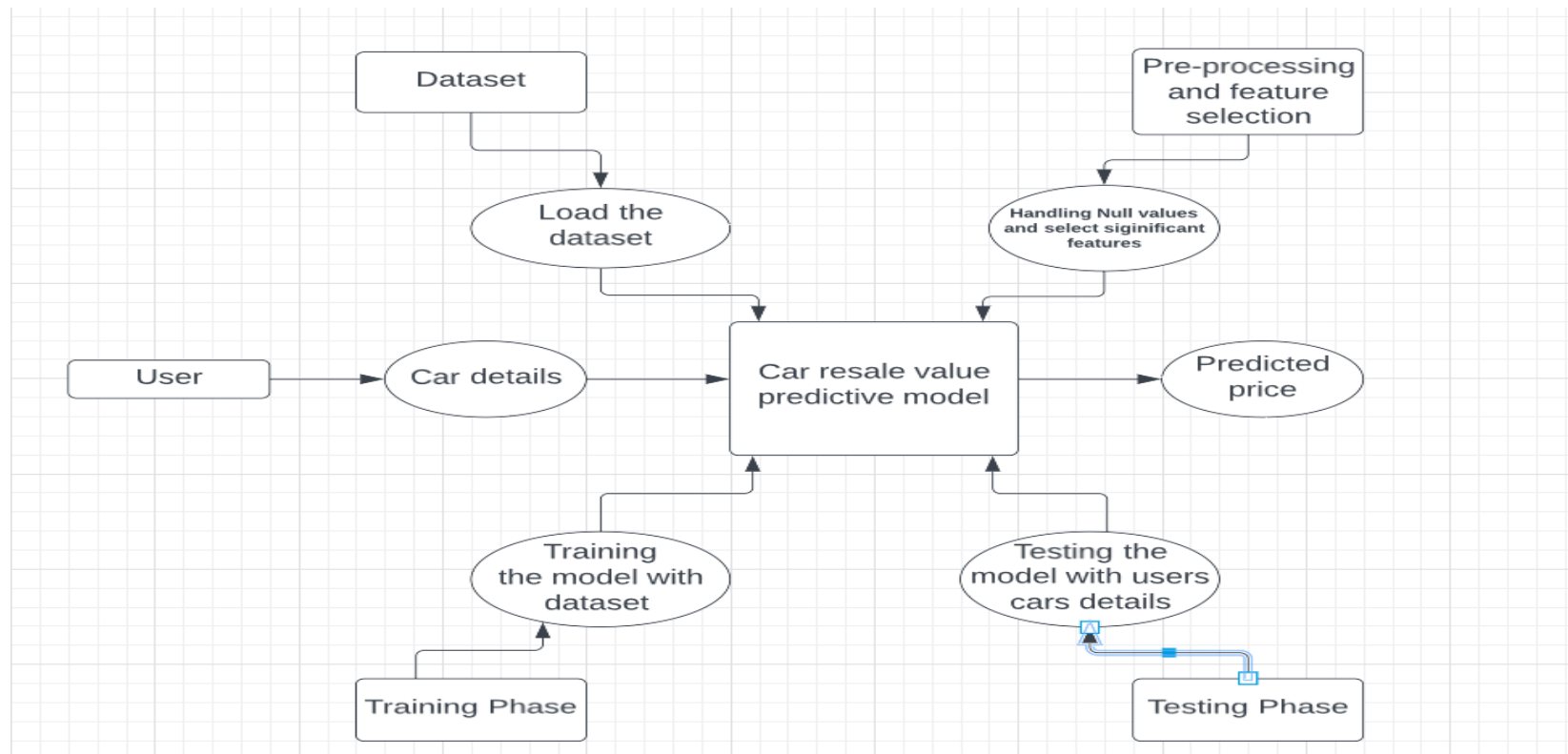


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with Web UI	HTML, CSS, JavaScript
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 STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5.	Database	Integers and Objects	MySQL
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	Purpose of External API used in the application	NIL
9.			
10.	Machine Learning Model	Purpose of Machine Learning Model: to predict the results	Predictive Model
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System	Heroku

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	The open source framework is used to provide functionalities	Starlette
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Starlette

S.No	Characteristics	Description	Technology
3.	Scalable Architecture	The app should be able to produce the results fast even when there are numerous users accessing at once.	Starlette
4.	Availability	The app will be accessible to anyone with internet and browser	Starlette
5.	Performance	The processing time to output the results on the web application is fast	Starlette