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

Date	11 October 2022
Team ID	PNT2022TMID43743
Project Name	CAR RESALE VALUE PREDICTION
Maximum Marks	4 Marks
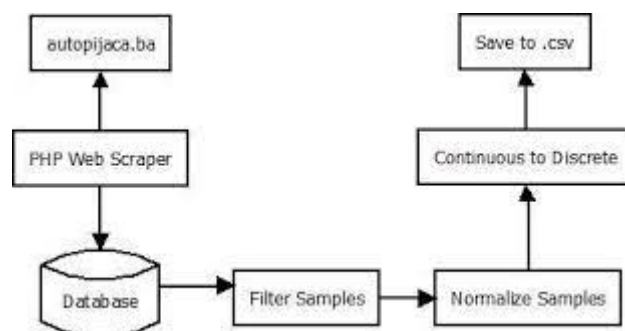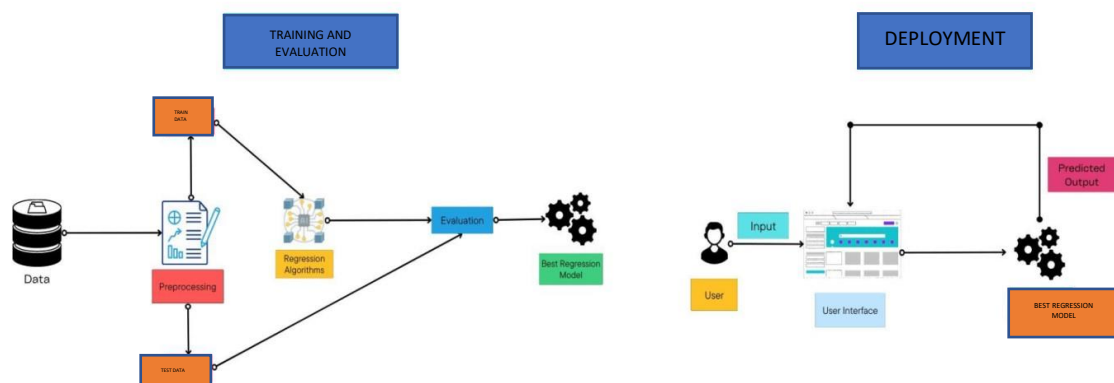
Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Python
3.	Database	Data Type, Configurations etc.	NoSQL
4.	Cloud Database	Database Service on Cloud	IBM DB2
5.	File Storage	File storage requirements	IBM Block Storage
6.	Machine Learning Model	Purpose of Machine Learning Model	Regression model
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry, Kubernetes, etc.

Application Characteristics:

S.No	Characteristics	Description
1.	Open-Source Frameworks	List the open-source frameworks used
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.