PROJECT DESIGN PHASE - II
TECNOLOGY STACK (ARCHITECTURE & STACK)

Date	26 October 2022
Team ID	
Project Name	Car Resale Value
Maximum Marks	4 Marks

Technical Architecture
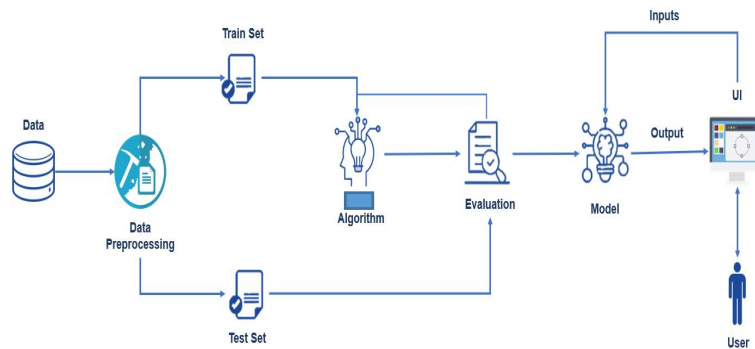
TABLE 1 - COMPONENTS AND TECHNOLOGY

s.no	Components	Description	Technology
1.	User Interface (UI) & User Experience (UX)	How the user interact with the application and what are the experience gain when user interact with our application	HTML python
2.	Search	Search for used car using hybrid filtering	python
3.	Chat	Chat with watson assistant	IBM watson assistant
4.	Data base type	Data type, configuration	.csv and.py
5.	Data collection	Updated data that collected from various source.	Kaggle, scikit
6.	Cloud database	Database service on cloud	IBM cloud
7.	API	Application programming interface	python
8.	Infrastructure (server / cloud)	Apllication deployment on local system / cloud local server configuration	Cloud foundry

TABLE 2 - **APPLICATION CHARACTERISTICS:**

S.no	Components	Description	Technology
1.	Open source data frameworks	Data-framework, Github	Internet hosting service for software developement and version control using github.
2.	Security Implementation	A web application firewall or WAF	HTTPS
3.	Scalable architecture	By building articles and authors into a single query.	Web server - HTML Application server - python Database server - IBM
4.	Availability	The load balancer intelligently routes client request to the right server.	Web server, load balancer.
5.	Performance	Check the data set for reliable results and data analysis	Data mining and analysis.