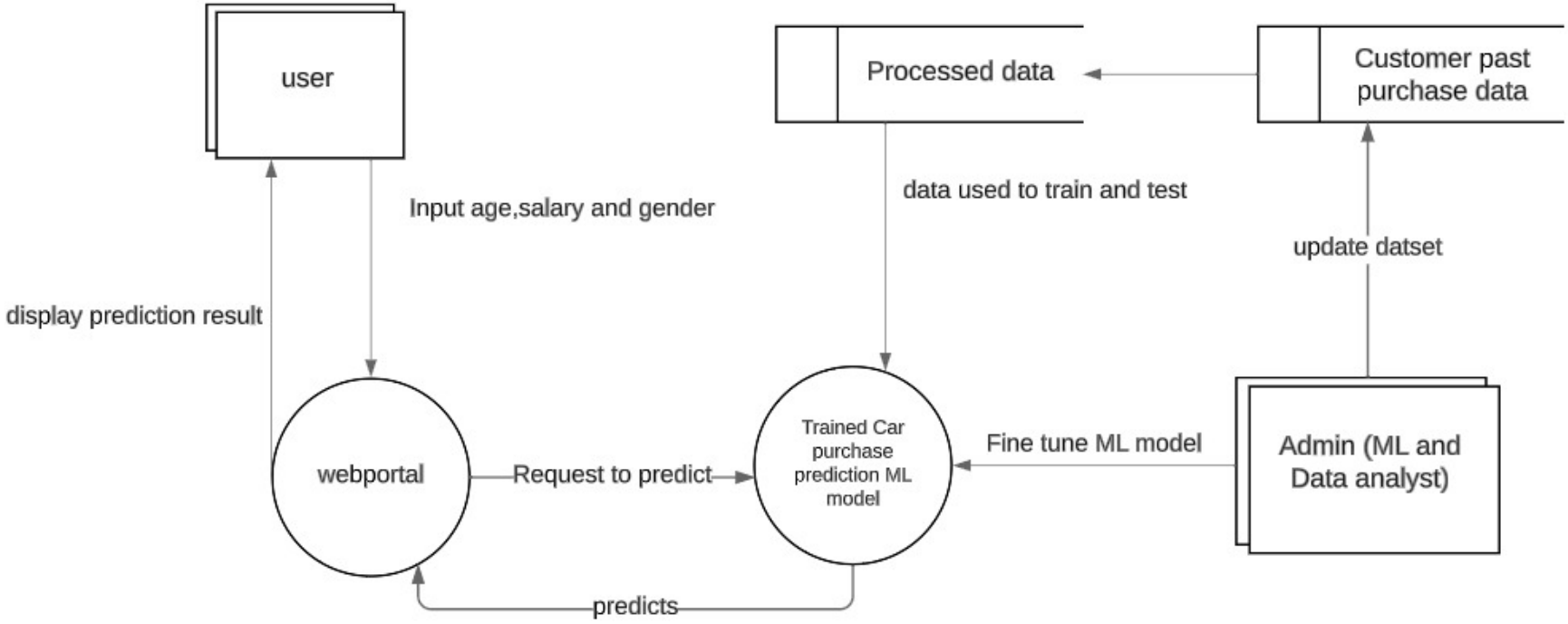
Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 October 2023
Team ID	Team-592746
Project Name	Project – Car Purchase Prediction using ML
Maximum Marks	4 Marks

Data Flow Diagram Level 0:



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	No Registration	USN-1	As a customer, I want to receive predictions about the likelihood of purchasing a specific car based on the information I provide, without the need for account registration.	1.Users should have a straightforward interface to input details about a car they are considering without requiring account creation. 2.The system should provide a prediction score indicating the likelihood of the user purchasing the specified car. 3.Users should receive an explanation or breakdown of the factors influencing the prediction.	High	Sprint-1
		USN-2	As a user, I can predict the if a particular person will purchase a car or not buy entering details such as gender,age,salary	I can input gender,age,salary to predict the probability of purchasing a car	High	Sprint-1
Administrator	Data management	USN-3	As an admin, I want to be able to upload and manage historical car purchase data efficiently so that the machine learning model can be trained on relevant and up-to-date information.	1.The admin should be able to upload CSV files containing relevant data, including features such as customer demographics, previous purchases, and financial information. 2.The system should validate the uploaded data for completeness and accuracy, providing error messages for any issues encountered. 3. Admin should be able to view and	High	Sprint-1

				manage the existing datasets, including the ability to delete outdated or irrelevant data.		
	Model Configuration		As an admin, I want to configure and fine-tune the machine learning model parameters to ensure optimal performance and accuracy in predicting car purchases.	1. The admin should be able to select and configure various machine learning algorithms for prediction. 2.There should be options to set hyperparameters, such as learning rate, number of iterations, and feature selection. 3.The system should provide feedback on the potential impact of parameter changes on model performance . 4.Admin should be able to save and load different model configurations for experimentation.	High	Sprint-1