

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID21557
Project Name	Project - Car Resale Value Prediction
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	View User's Personal details Add a car to their favourites list
FR-4	Car Registration	User can input information like car's date of purchase, price, damages incurred etc
FR - 5	Viewing Past Predictions	User can be able to view past predictions for the price of the car. (Graph displaying the price of the car for a month)

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	A Simple and effective User Interface with proper layout and good usage of icons that ensures each user finds it easy to access and interact with the system.
NFR-2	Security	Ensures all the user credentials should be protected and there should be a mandatory password strength check while creating password. Two factor Authentication methods can also be used.
NFR-3	Reliability	ML model which is responsible for predicting the price of the car should be reliable. Model should be accurate enough to predict prices. Error rate should be as minimum as possible.
NFR-4	Performance	The system must provide a webpage rendering images and texts upon receiving a request within a time of 8 seconds over a standard internet connection.
NFR-5	Availability	The website should be available to users 24x7. Any issues or errors will be addressed within the next 24 hours.

NFR-6

Scalability

The system must be scalable enough to support 1,00,000 requests at the same time without crashing.