

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

Date	15 October 2022
Team ID	PNT2022TMID21102
Project Name	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	Collect Dataset	We can collect datasets from different open sources like kaggle.com , data.gov , UCI machine learning repository, etc.
FR-2	Pre-Process The Data	Import Required Libraries Read The Datasets Cleaning The Dataset Splitting Data Into Independent And Dependent Variables
FR-3	Model Building	Choose The Appropriate Model Check The Metrics Of The Model Save The Model
FR-4	Application Building	Build The Python Flask App Build An HTML Page Execute And Test Your Model

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system provides a help and support menu in all interfaces for the user to interact with the system. The user can use the system by reading help and support.
NFR-2	Security	All communications will be encrypted. This protects the application, data, and the personal information of the user from interception. The application will not store personal data of the user on the device. The application requires a valid SSL certificate be maintained at all times to allow trusted and secure communication.
NFR-3	Reliability	We don't share the user's information to the 3 rd party for any marketing and we won't share the cookies in backend.

NFR-4	Performance	The system response time for every instruction conducted by the user must not exceed more than a minimum of 10 seconds. The system should have high performance rate when executing user's input and should be able to provide response within a short time span usually 50 second for highly complicated task and 20 to 25 seconds for less complicated task.
NFR-5	Availability	The system should always be available for access at 24 hours, 7 days a week. Also in the occurrence of any major system malfunctioning, the system should be available in 1 to 2 working days, so that business process is not severely affected.
NFR-6	Scalability	Our solution provides approximately 0.7 accuracy for training dataset and 0.6 accuracy for test dataset in the case of higher workloads also.