**What is a Functional Requirement?**

In software engineering, a functional requirement defines a system or its component. It describes the functions a software must perform. A function is nothing but inputs, its behavior, and outputs. It can be a calculation, data manipulation, business process, user interaction, or any other specific functionality which defines what function a system is likely to perform.

Functional software requirements help you to capture the intended behavior of the system. This behavior may be expressed as functions, services or tasks or which system is required to perform.

Functional requirement in our project

basically, our project is to determine which car best fits into your budget so the requirements will be

example:

Input from user: best car under 5 lacs.

output: name of the cars

performance

maintenance

mileage

other specefications related to the car

## What is Non-Functional Requirement?

A non-functional requirement defines the quality attribute of a software system. They represent a set of standards used to judge the specific operation of a system. Example, how fast does the website load?

A non-functional requirement is essential to ensure the usability and effectiveness of the entire software system. Failing to meet non-functional requirements can result in systems that fail to satisfy user needs.

Non-functional Requirements allows you to impose constraints or restrictions on the design of the system across the various agile backlog

Non functional requirement in our project

as soon as the user inputs the data and budget according to his needs the list will be appear in ten or less than ten seconds and also it will display the cars better than the budget a slightly less or more