# Car Selection Assistant :A rule based expert system

The car market is filled with so many different models with various different models being added each year. Deciding which car to buy is becoming a difficult task. Here in comes the Car selection Assistant which helps you choose a car that fulfills your requirements.

The Car Selection Assistant asks you 3 questions and based on your replies, it suggests a car model that suits your needs. The Assistant displays a web link in the description where you will find you may find more information about the car.

The Selection Assistant could be implemented on small scale using application programming but it becomes unmanageable on large scale. Hence, we use a expert system in such a situation. This is a rule based expert system that uses rules as a knowledge representation for knowledge coded into the system that tells what to do or what to conclude in different situations.

Test Cases:
1. Purpose: sedan
   Priority: 1
   Price: 1
   The suggestion displayed: 2017 Kia Optima Plug-In Hybrid


2. Purpose: suv
   Priority: 2
   Price: 2
   The suggestion displayed: 2017 Acura MDX


3. Purpose: pickup
   Priority: 1
   Price: 3
   The suggestion displayed:Toyota Tundra TRD Pro