



# Session 4: Advance JavaScript

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## Assignment

**ACADGILD**

## *Session 4: Advance JavaScript*

*Assignment – Create an Application (using OOP) in JavaScript that records the details of all kinds of Vehicles.*

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## 1. Introduction

This assignment will test your skills on OOPS we learnt in the class.

## 2. Objective

This assignment will help you to master the following concepts:

- Inheritance
- OOPS

## 3. Prerequisites

- Basic HTML
- Basic CSS
- Requirements
  - Vehicle would be the Parent Class with following attributes:
    - Name
    - Description
    - Vehicle Type
    - Cost Per Kilometer
  - Vehicle class will be inherited by Two Class or Functions such as :
    - Two Wheeler
    - Four Wheeler
  - If Vehicle is of 4 Wheeler than take input:
  - Fuel Type(CNG, Petrol)
- Display all information on submit of form.

## 4. Associated Data Files

Not applicable.

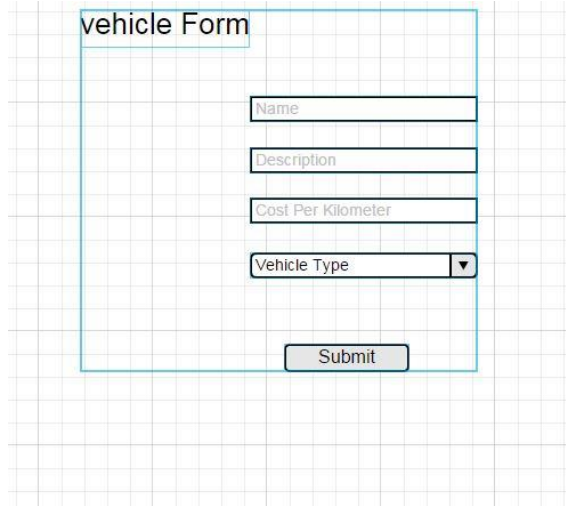
## 5. Problem Statement

You need to make an application having following fields using Inheritance.

1. Name
2. Description
3. Cost
4. Vehicle type

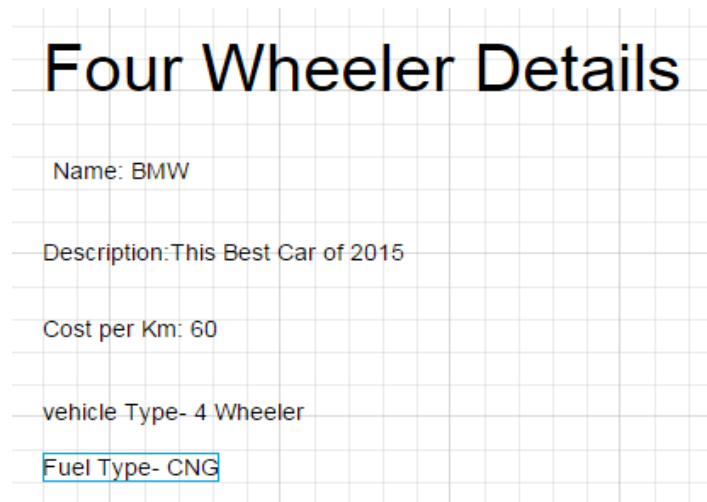
## 6. Output

### Vehicle Selection Page



A UI mockup of a 'vehicle Form' on a light gray grid background. The form is a light blue rectangle with a title 'vehicle Form' in the top-left corner. It contains four input fields: 'Name', 'Description', 'Cost Per Kilometer', and 'Vehicle Type' (a dropdown menu). A 'Submit' button is located at the bottom right of the form.

### Basic Form When User Selects 4 Wheeler



A UI mockup titled 'Four Wheeler Details' on a light gray grid background. The title is in a large, bold, black font. Below the title, there are five lines of text: 'Name: BMW', 'Description: This Best Car of 2015', 'Cost per Km: 60', 'vehicle Type- 4 Wheeler', and 'Fuel Type- CNG'. The 'Fuel Type- CNG' text is highlighted with a blue border.

## Basic Form When User Selects 2 Wheeler

Two Wheeler Details	
Name:	Tvs Scooty
Description:	This Best bike of 2015
Cost per Km:	5
vehicle Type-	2 Wheeler

## 7. Approximate Time to Complete Task

1 Hour