

The supplied Java code is for a car **cruise control** system. This cruise control system consists of the following parts to control the car speed: **Brake**, **Engine**, and **Shaft**. Those parts may be purchased from **GM** and/or **Chevy** companies.

***You need to do following:***

- 1) [15%] Draw Your design as UML class diagram.
- 2) [70%] Use to allow Change the code to allow the cruise control objects to be created using the **Builder design pattern**.
- 3) [15%] ***Use the main() method for unit testing.***

In this method create two objects with followings:

Cruise Control Object	Brake	Engine	Shaft
First object	<b><i>GM</i></b>	<b><i>GM</i></b>	<b><i>Chevy</i></b>
Second object	<b><i>GM</i></b>	<b><i>GM</i></b>	<b><i>GM</i></b>