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.

The software team needs to test the creation of cruise control with the following combinations:

Allowed Parts	Brake	Engine	Shaft
Combination			
First combination	GM	GM	Chevy
Second combination	GM	GM	GM

Use **Abstract Factory design pattern** to ensure the required combination when creating the cruise control objects:

- 1) [15%] Draw Your design as UML class diagram.
- 2) [85%] Change the code to create the cruise control objects with the above two combination.

Use the main() method for unit testing.