Class Mechanic

This class encapsulates the behaviour and operations that a mechanic performs. The responsibilities of this class are as follows :-
- establish a pod connection with the automobile
-perform maintenance tasks on the automobile
-perform some tests on the automobile
-access the schedule of maintenance tasks to be performed

Class Automobile

This class encapsulates the operations that are performed on the automobile. The activities that this class is involved in are as follows:-
-tests are performed on the automobile
-maintenance tasks are performed on it
-mechanic is assigned to an automobile

Class Pod Connection

This class encapsulates the responsibilities of the pod connection class. The responsibilities of this class are as follows:-
-helps a mechanic to connect to the automobile's central computer via AMDS
-helps mechanic to control the car's functions

Class Maintenance tasks

This class can be implemented as an interface that defines fixed attributes that can be implemented in the separate maintenance task classes such as oil change, wheel alignment, etc.

Class Tune Up, Oil change, Wheel alignment

These classes contain the attributes(instructions, tools, etc.) and other necessary information in order to carry out the entire task.

Class Maintenance log

This class is responsible to keep a log of all the maintenance tasks that are performed on the automobile. It can have many tasks as a single entry.

This class also keeps the schedule of the upcoming maintenance tasks to be performed.

Class tests

This class contains all the information needed to carry out a particular tests. The type of test, sequence of tasks to be performed is housed here. One can also add their own test sequence here. One mechanic can perform many tests on a car.

Class Test log

This class is similar to that of the maintenance log and helps to keep a track of all the tests done on the car. There can be several tests performed on an automobile. This class's existence wholly depends on the test class.