**TOYOTA MANAGER HELPER**

**Summary:**

This application help managers quickly view and sort available cars.

**Functionality:**

* **public class Car:**

class fields:

engineSize – the size of engine car;

color – the color of the car;

selectedTransmission – the selected transmission;

complectationCost – the price of complete set of the car;

transmissionCost – the price of selected transmission;

class methods:

DisplayComplectationCost() – output the price of all complete set of the car(engine size, color, transmission);

CarEquipment() – output the information of all complete set of the car without model;

* **public class LandCruiser:**

The class is inherited from the machine class and contains all fields, methods from the inherited class.

class fields:

model – the model of the car;

class methods:

SetCarCost() – calculation of the price of the car together with components;

ToString() – override method which output the information of the car with and price;

* **public class Camry:**

The class is inherited from the machine class and contains all fields, methods from the inherited class.

class fields:

model – the model of the car;

class methods:

SetCarCost() – calculation of the price of the car together with components;

ToString() – override method which output the information of the car with and price;

* **public class Corolla:**

The class is inherited from the machine class and contains all fields, methods from the inherited class.

class fields:

model – the model of the car;

class methods:

SetCarCost() – calculation of the price of the car together with components;

ToString() – override method which output the information of the car with and price;

* **public class Program:**

The class in which happen all realization of the application.

class methods:

SortedComplectationOfCars(List<Car> cars) – the method which cars are sorted without cost of model(only complectation);

SortedCarCost(List<Car> cars) – the method which cars are sorted with cost of model;

GetComplectationOfPriceRange(List<Car> cars, int a, int b) – the method in which output cars in a given price range([a,b]);

**Example of use:**

The application output all models of the cars with information of complectation set and their price, sorted price of complectation set, sorted cars with cost of model, output cars in given price range which you input, serialize and deserialize data of the cars;





