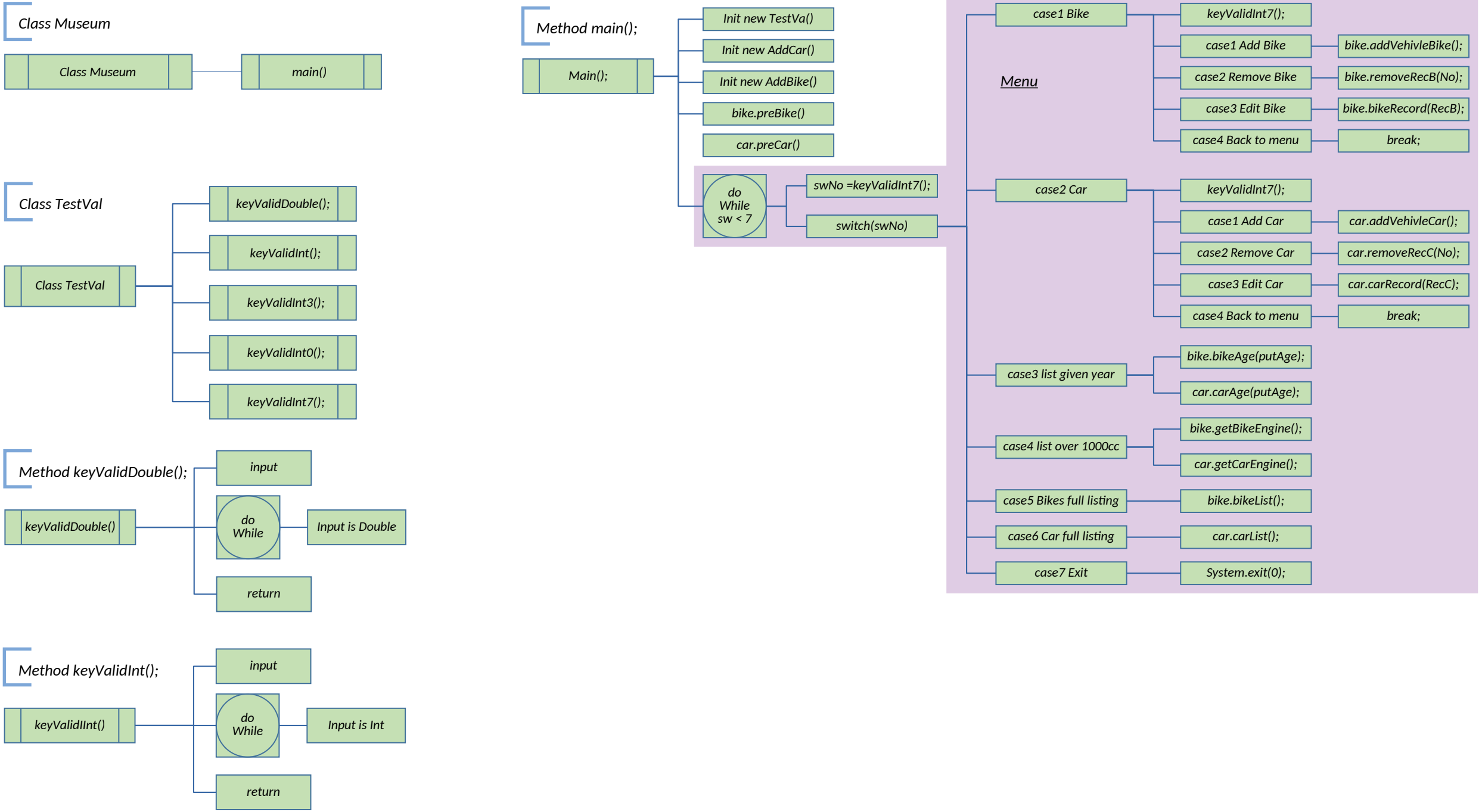
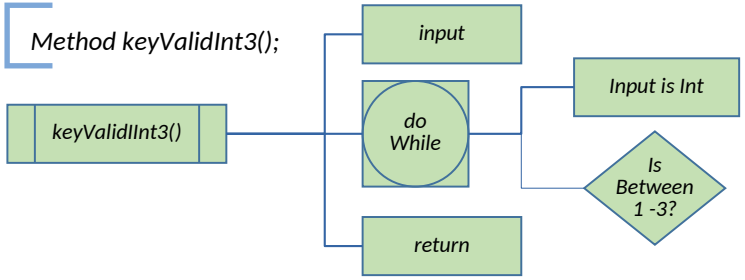
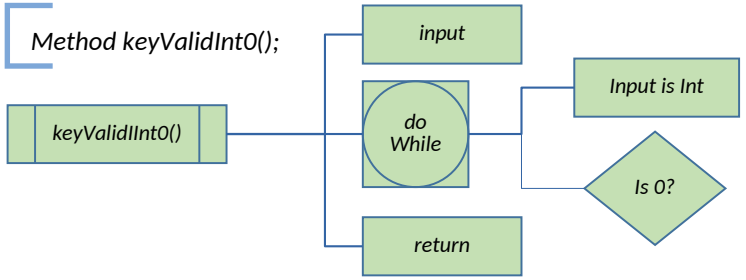
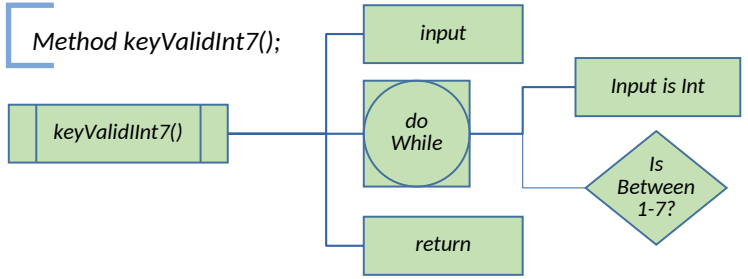
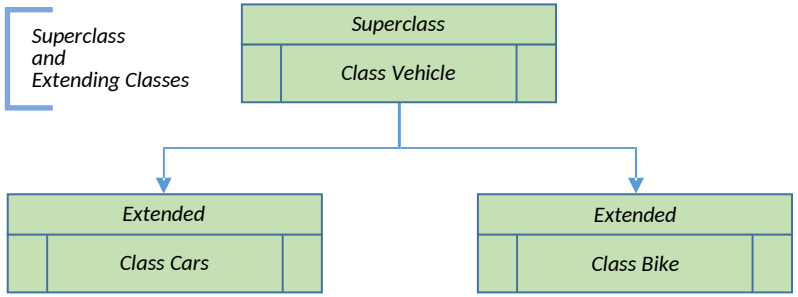
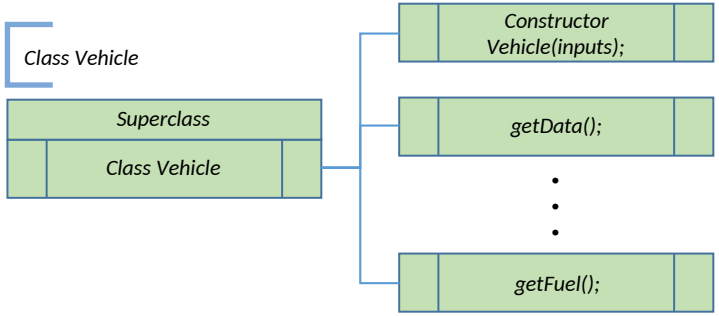

Class Museum
Class Museum
main()
Class TestVal
Class TestVal
keyValidDouble();
keyValidInt();
keyValidInt3();
keyValidInt0();
keyValidInt7();
Method keyValidDouble();
keyValidDouble()
input
do While
Input is Double
return
Method keyValidInt();
keyValidIInt()
input
do While
Input is Int
return
Method main();
Main();
Init new TestVa()
Init new AddCar()
Init new AddBike()
bike.preBike()
car.preCar()
do While sw < 7
swNo =keyValidInt7();
switch(swNo)
Menu
case1 Bike
keyValidInt7();
case1 Add Bike
bike.addVehivleBike();
case2 Remove Bike
bike.removeRecB(No);
case3 Edit Bike
bike.bikeRecord(RecB);
case4 Back to menu
break;
case2 Car
keyValidInt7();
case1 Add Car
car.addVehivleCar();
case2 Remove Car
car.removeRecC(No);
case3 Edit Car
car.carRecord(RecC);
case4 Back to menu
break;
case3 list given year
bike.bikeAge(putAge);
car.carAge(putAge);
case4 list over 1000cc
bike.getBikeEngine();
car.getCarEngine();
case5 Bikes full listing
bike.bikeList();
case6 Car full listing
car.carList();
case7 Exit
System.exit(0);

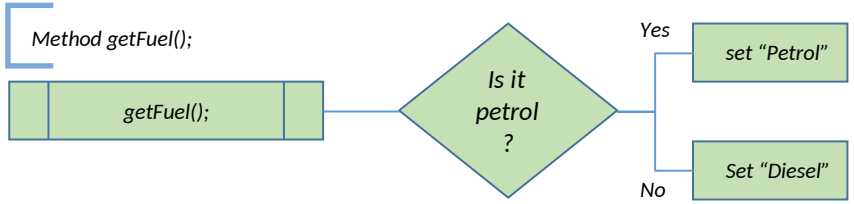

Method keyValidInt3();
keyValidIInt3()
input
do While
Input is Int
Is Between 1 -3?
return

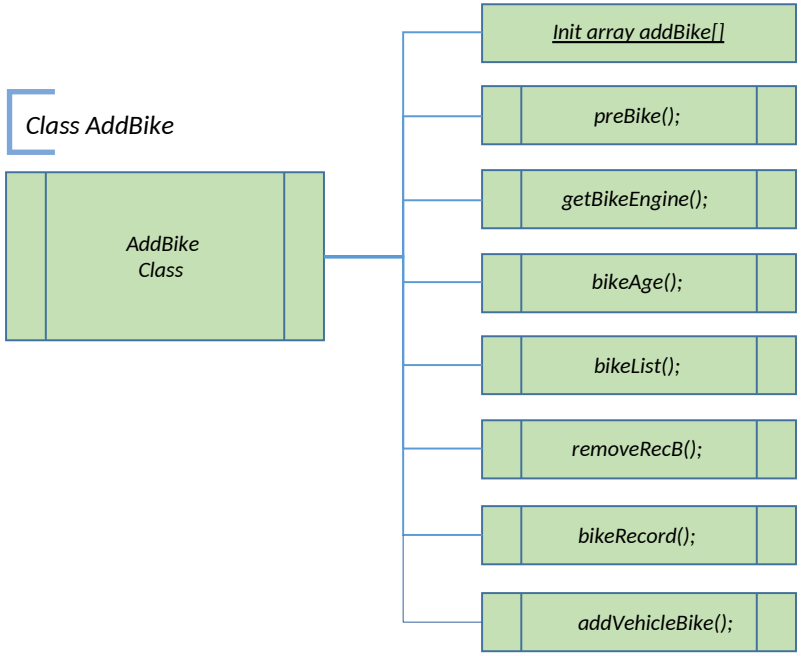

Method keyValidInt0();
keyValidIInt0()
input
do While
Input is Int
Is 0?
return

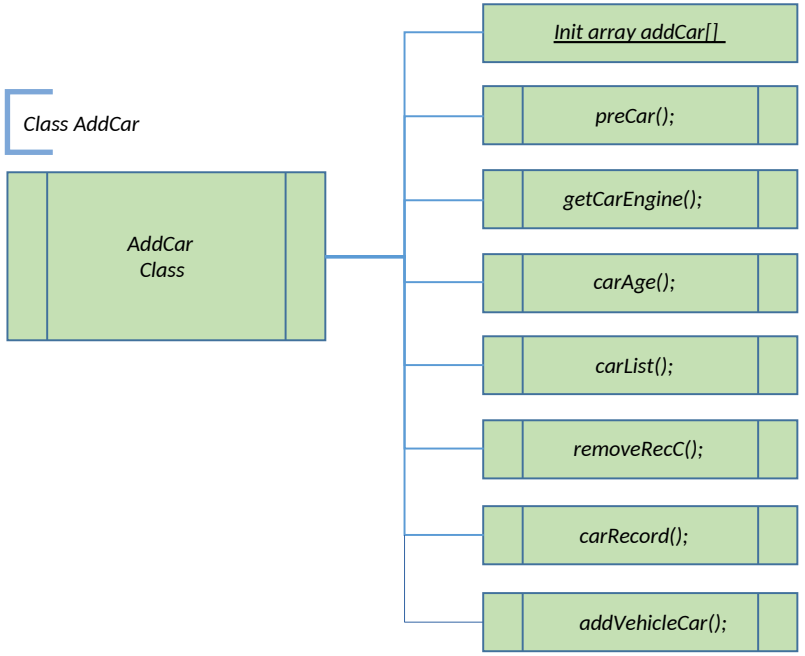

Method keyValidInt7();
keyValidIInt7()
input
do While
Input is Int
Is Between 1-7?
return

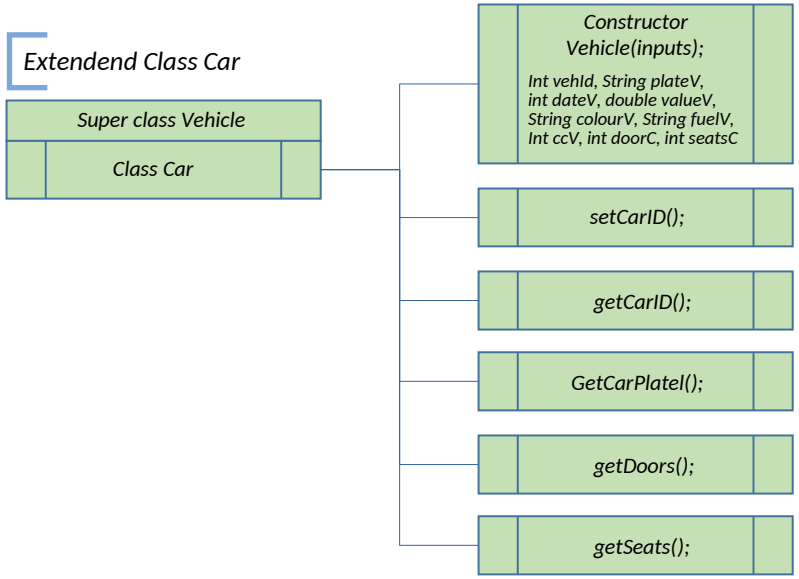

Superclass and Extending Classes
Superclass
Class Vehicle
Extended
Class Cars
Extended
Class Bike

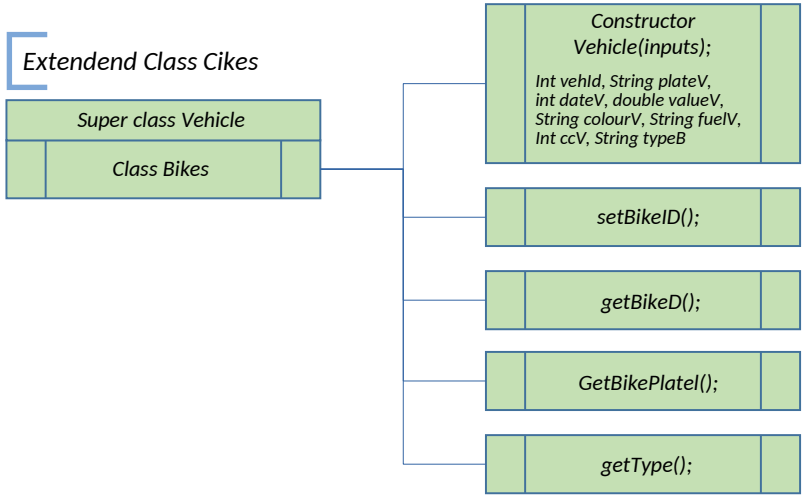

Class Vehicle
Superclass
Class Vehicle
Constructor Vehicle(inputs);
getData();
getFuel();

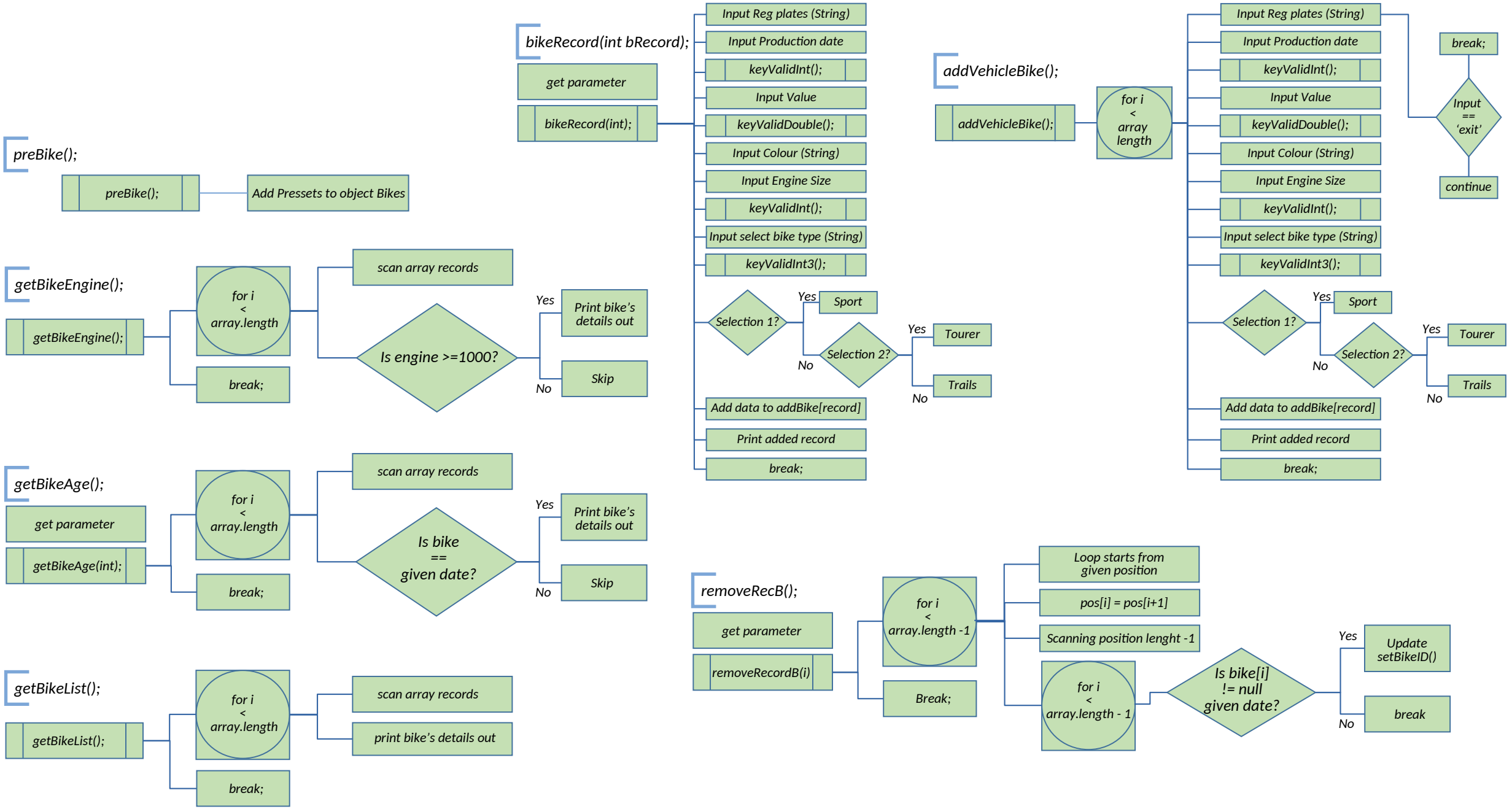

Method getFuel();
getFuel();
Is it petrol ?
Yes
set “Petrol”
No
Set “Diesel”

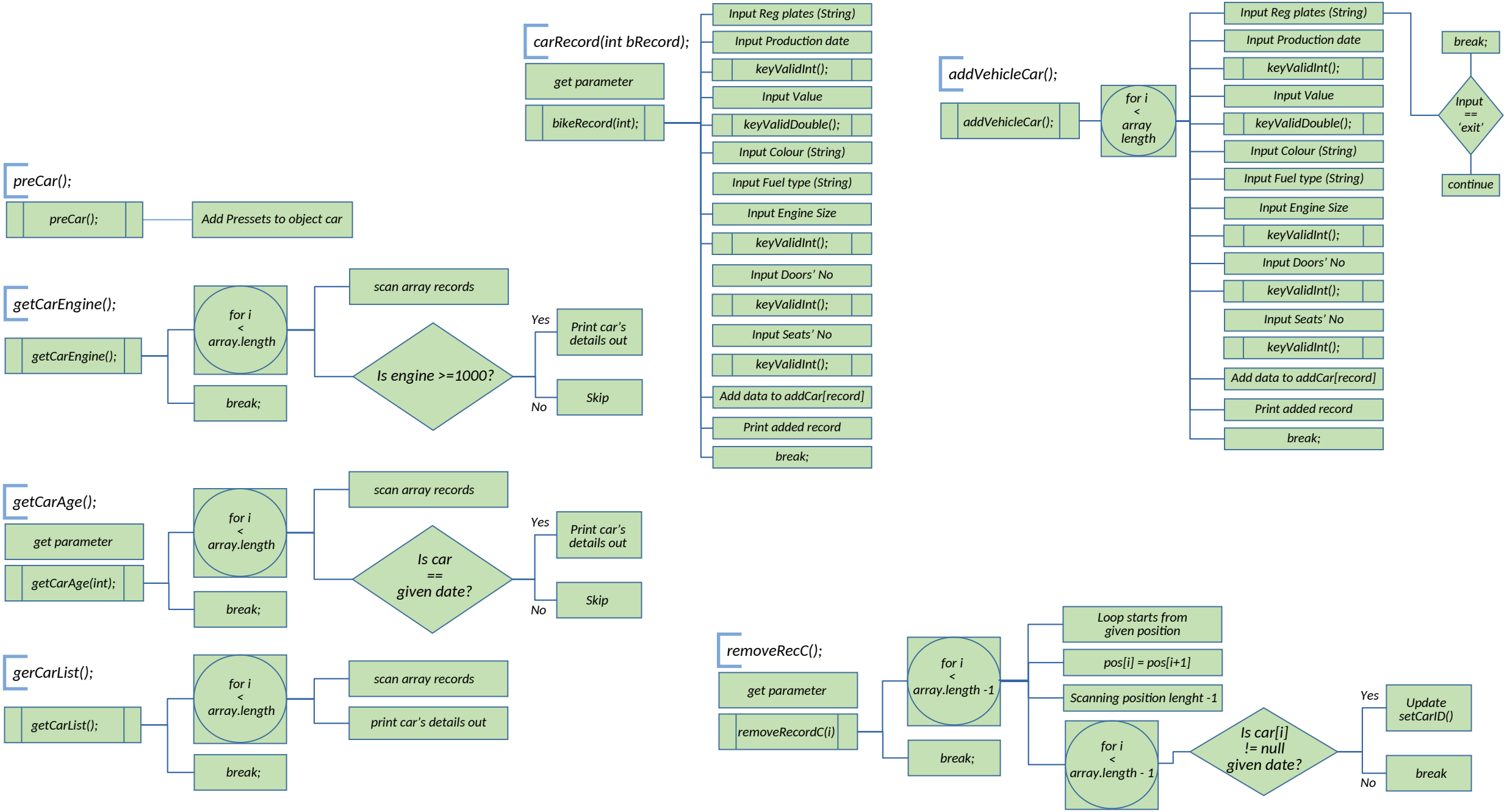

Class AddBike
AddBike Class
Init array addBike[]
preBike();
getBikeEngine();
bikeAge();
bikeList();
removeRecB();
bikeRecord();
addVehicleBike();


Class AddCar
AddCar Class
Init array addCar[]
preCar();
getCarEngine();
carAge();
carList();
removeRecC();
carRecord();
addVehicleCar();


Extendend Class Car
Super class Vehicle
Class Car
Constructor Vehicle(inputs);
Int vehId, String plateV, int dateV, double valueV, String colourV, String fuelV, Int ccV, int doorC, int seatsC
setCarID();
getCarID();
GetCarPlateI();
getDoors();
getSeats();


Extendend Class Cikes
Super class Vehicle
Class Bikes
Constructor Vehicle(inputs);
Int vehId, String plateV, int dateV, double valueV, String colourV, String fuelV, Int ccV, String typeB
setBikeID();
getBikeD();
GetBikePlateI();
getType();


preBike();
preBike();
Add Pressets to object Bikes
bikeRecord(int bRecord);
get parameter
bikeRecord(int);
Input Reg plates (String)
Input Production date
keyValidInt();
Input Value
keyValidDouble();
Input Colour (String)
Input Engine Size
keyValidInt();
Input select bike type (String)
keyValidInt3();
Selection 1?
Yes
Sport
No
Selection 2?
Yes
Tourer
No
Trails
Add data to addBike[record]
Print added record
break;
addVehicleBike();
addVehicleBike();
for i < array length
Input Reg plates (String)
Input Production date
keyValidInt();
Input Value
keyValidDouble();
Input Colour (String)
Input Engine Size
keyValidInt();
Input select bike type (String)
keyValidInt3();
Selection 1?
Yes
Sport
No
Selection 2?
Yes
Tourer
No
Trails
Add data to addBike[record]
Print added record
break;
Input == 'exit'
break;
continue
getBikeEngine();
getBikeEngine();
for i < array.length
break;
scan array records
Is engine >=1000?
Yes
Print bike's details out
No
Skip
getBikeAge();
get parameter
getBikeAge(int);
for i < array.length
break;
scan array records
Is bike == given date?
Yes
Print bike's details out
No
Skip
getBikeList();
getBikeList();
for i < array.length
break;
scan array records
print bike's details out
removeRecB();
get parameter
removeRecordB(i)
for i < array.length -1
Break;
Loop starts from given position
pos[i] = pos[i+1]
Scanning position lenght -1
for i < array.length - 1
Is bike[i] != null given date?
Yes
Update setBikeID()
No
break


carRecord(int bRecord);
get parameter
bikeRecord(int);
Input Reg plates (String)
Input Production date
keyValidInt();
Input Value
keyValidDouble();
Input Colour (String)
Input Fuel type (String)
Input Engine Size
keyValidInt();
Input Doors' No
keyValidInt();
Input Seats' No
keyValidInt();
Add data to addCar[record]
Print added record
break;
addVehicleCar();
addVehicleCar();
for i < array length
Input Reg plates (String)
Input Production date
keyValidInt();
Input Value
keyValidDouble();
Input Colour (String)
Input Fuel type (String)
Input Engine Size
keyValidInt();
Input Doors' No
keyValidInt();
Input Seats' No
keyValidInt();
Add data to addCar[record]
Print added record
break;
Input == 'exit'
break;
continue
preCar();
preCar();
Add Pressets to object car
getCarEngine();
getCarEngine();
for i < array.length
scan array records
Is engine >=1000?
Yes
Print car's details out
No
Skip
break;
getCarAge();
get parameter
getCarAge(int);
for i < array.length
scan array records
Is car == given date?
Yes
Print car's details out
No
Skip
break;
gerCarList();
getCarList();
for i < array.length
scan array records
print car's details out
break;
removeRecC();
get parameter
removeRecordC(i)
for i < array.length -1
Loop starts from given position
pos[i] = pos[i+1]
Scanning position lenght -1
for i < array.length - 1
Is car[i] != null given date?
Yes
Update setCarID()
No
break
break;