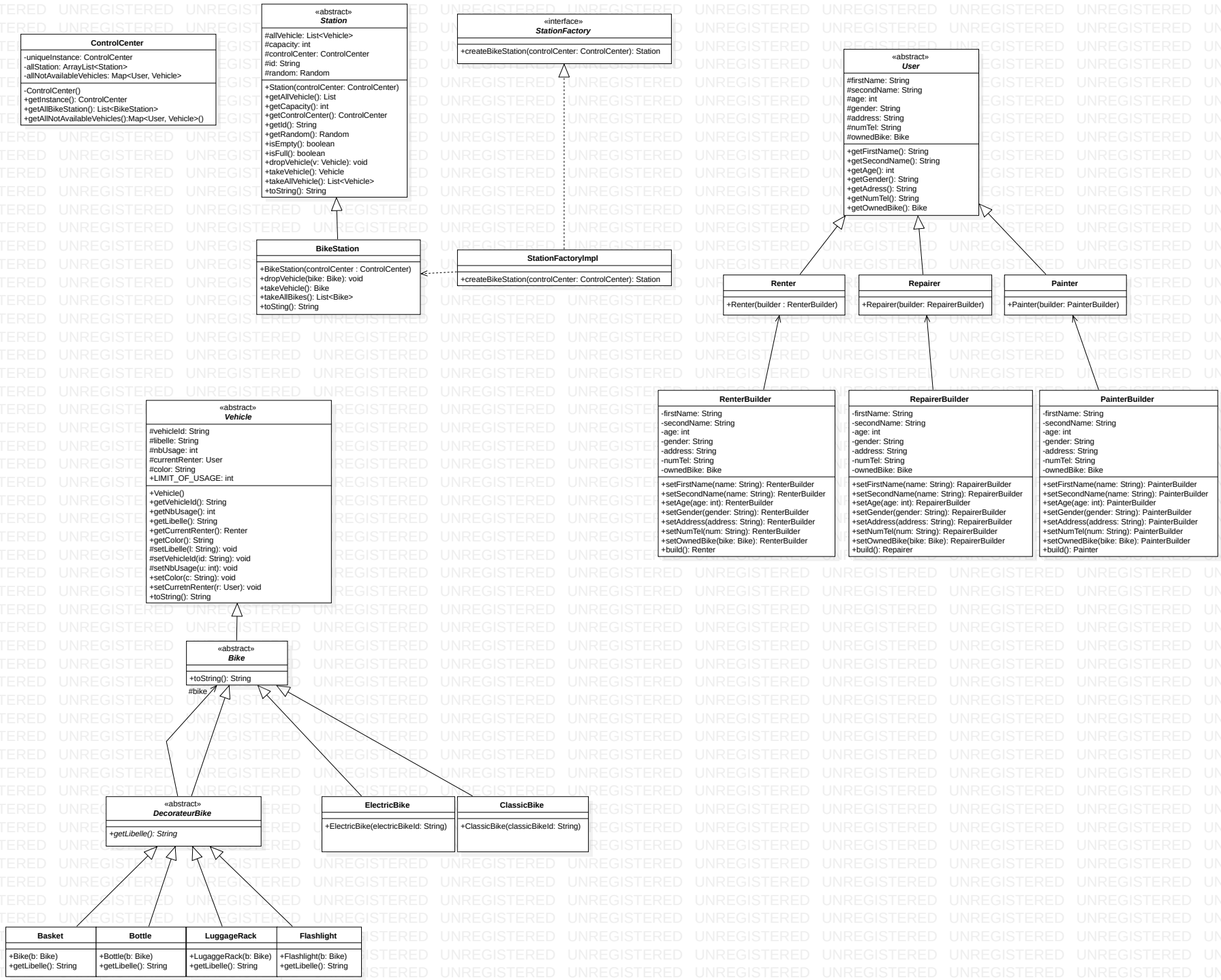
Model.main
ControlCenter
-uniqueInstance: ControlCenter
-allStation: ArrayList<Station>
-allNotAvailableVehicles: Map<User, Vehicle>
-ControlCenter()
+getInstance(): ControlCenter
+getAllBikeStation(): List<BikeStation>
+getAllNotAvailableVehicles():Map<User, Vehicle>()
«abstract»
Station
#allVehicle: List<Vehicle>
#capacity: int
#controlCenter: ControlCenter
#id: String
#random: Random
+Station(controlCenter: ControlCenter)
+getAllVehicle(): List
+getCapacity(): int
+getControlCenter(): ControlCenter
+getId(): String
+getRandom(): Random
+isEmpty(): boolean
+isFull(): boolean
+dropVehicle(v: Vehicle): void
+takeVehicle(): Vehicle
+takeAllVehicle(): List<Vehicle>
+toString(): String
«interface»
StationFactory
+createBikeStation(controlCenter: ControlCenter): Station
«abstract»
User
#firstName: String
#secondName: String
#age: int
#gender: String
#address: String
#numTel: String
#ownedBike: Bike
+getFirstName(): String
+getSecondName(): String
+getAge(): int
+getGender(): String
+getAdress(): String
+getNumTel(): String
+getOwnedBike(): Bike
BikeStation
+BikeStation(controlCenter : ControlCenter)
+dropVehicle(bike: Bike): void
+takeVehicle(): Bike
+takeAllBikes(): List<Bike>
+toSting(): String
StationFactoryImpl
+createBikeStation(controlCenter: ControlCenter): Station
Renter
+Renter(builder : RenterBuilder)
Repairer
+Repairer(builder: RepairerBuilder)
Painter
+Painter(builder: PainterBuilder)
RenterBuilder
-firstName: String
-secondName: String
-age: int
-gender: String
-address: String
-numTel: String
-ownedBike: Bike
+setFirstName(name: String): RenterBuilder
+setSecondName(name: String): RenterBuilder
+setAge(age: int): RenterBuilder
+setGender(gender: String): RenterBuilder
+setAddress(address: String): RenterBuilder
+setNumTel(num: String): RenterBuilder
+setOwnedBike(bike: Bike): RenterBuilder
+build(): Renter
RepairerBuilder
-firstName: String
-secondName: String
-age: int
-gender: String
-address: String
-numTel: String
-ownedBike: Bike
+setFirstName(name: String): RapairerBuilder
+setSecondName(name: String): RepairerBuilder
+setAge(age: int): RepairerBuilder
+setGender(gender: String): RepairerBuilder
+setAddress(address: String): RepairerBuilder
+setNumTel(num: String): RepairerBuilder
+setOwnedBike(bike: Bike): RepairerBuilder
+build(): Repairer
PainterBuilder
-firstName: String
-secondName: String
-age: int
-gender: String
-address: String
-numTel: String
-ownedBike: Bike
+setFirstName(name: String): PainterBuilder
+setSecondName(name: String): PainterBuilder
+setAge(age: int): PainterBuilder
+setGender(gender: String): PainterBuilder
+setAddress(address: String): PainterBuilder
+setNumTel(num: String): PainterBuilder
+setOwnedBike(bike: Bike): PainterBuilder
+build(): Painter
«abstract»
Vehicle
#vehicleId: String
#libelle: String
#nbUsage: int
#currentRenter: User
#color: String
+LIMIT_OF_USAGE: int
+Vehicle()
+getVehicleId(): String
+getNbUsage(): int
+getLibelle(): String
+getCurrentRenter(): Renter
+getColor(): String
#setLibelle(l: String): void
#setVehicleId(id: String): void
#setNbUsage(u: int): void
+setColor(c: String): void
+setCurretnRenter(r: User): void
+toString(): String
«abstract»
Bike
+toString(): String
#bike
«abstract»
DecorateurBike
+getLibelle(): String
ElectricBike
+ElectricBike(electricBikeId: String)
ClassicBike
+ClassicBike(classicBikeId: String)
Basket
+Bike(b: Bike)
+getLibelle(): String
Bottle
+Bottle(b: Bike)
+getLibelle(): String
LuggageRack
+LugaggeRack(b: Bike)
+getLibelle(): String
Flashlight
+Flashlight(b: Bike)
+getLibelle(): String