| **Functional requirement** | **Class name** | **Method name** |
| --- | --- | --- |
| R1:  add a vehicule in the concessionaire | Main | addVehicule() |
| Concessionaire | addGasolineAutomobile() |
| addElectricAutomobile() |
| addHybridAutomobile() |
| addMotorVehicule() |
| Gasoline | Gasoline() |
| Electric | Electric() |
| Hybrid | Hybrid() |
| Document | Document() |
| Soat | Soat() |
| MechanicalReview | MechanicalReview() |
| Motorcycle | Motorcycle() |
| R2:  Calculate the total sold price of a vehicule | iCalculateTotalSoldPrice | totalSoldPrice() *calcule the total sold price in base of the base price* |
| Hybrid | totalSoldPrice()  toString() |
| Gasoline |
| Electric |
| Motorcycle |
| Document | getYear() |
| R3:  Print the information of the vehicules in the concessionaire | Main | printInformation() |
| Concessionaire | printVehiculeInformation() |
| Hybrid | toString() |
| Motorcycle |
| Electric |
| Gasoline |
| Vehicule | getType() |
|  | Document | propertyCardCode() |
|  | Soat | soatCode() |
|  | MechanicalReview | mechanicalReviewCode() |
| R4:  based on the id of a vehicle print the status of the document and a list of the codes of each document | Vehicule | getId() |
| Hybrid | getSoat()  getMechanical()  getPropertyc() |
| Gasoline |
| Electric |
| Motorcycle |
| Document | getCode()  *return the code of the image*  getYear() |
| Soat |
| MechanicalReview |
| Main | printDocumentsInformationForId() |
| Concessionaire | showDocumentsStateForId() |
| R5: Created and print the parking lot of the concessionaire with its occupation | Véhicule | getType() |
| getModel() |
| Main | printParking() |
| Concessionaire | printParkingLot() |
| R6:  Generate parking lot occupancy reports according to the following criteria: | | |
| A: List of vehicles (and their information) given a range of years. | Main | informationBetweenYears() |
| Concessionaire | vehiclesByYearRange() |
| Véhicule | getType() |
| getModel() |
| toString() |
| Data of the oldest and newest vehicle. | Main | theOldestCar  () |
| Concessionaire | theOldsCarInTheParking  () |
| Véhicule | getType() |
| getModel() |
| toString() |
| Percentage of occupation of the parking lot. | Véhicule | getType() |
|  | getModel() |
|  | Main | printParking() |
|  | Concessionaire | printParkingLot() |
| *This part of requirement 6 is resolved when the parking lot map is printed, since there is the count of the number of vehicles in the parking lot with which I get the percentage and print it, so the same methods are used as in the requirement 5* | | |