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| **Functional requirement** | **Class Name** | **Method Name** |
| **R1:**  Register vehicle | Main Class | registerVehicle():void |
| Controller Class | registerVehicle(…):boolean |
| Motorcycle Class | Motorcycle(…) |
| Controller Class | registerVehicle(…):boolean |
| GasolineCar Class | GasolineCar(…) |
| Controller Class | registerVehicle(…):boolean |
| ElectricCar Class | ElectricCar(…) |
| Controller Class | registerVehicle(…):boolean |
| HybridCar Class | HybridCar() |
| Controller Class | registerDocuments(…):Document[] |
| Controller Class | isOld(Vehicle vehicle):boolean |
| Parking Class | add(Vehicle vehicle):void |
| Parking Class | findSpaceInColumn(int column):int |
| SOAT Class | SOAT(…) |
| TechnoMechanical Class | TechnoMechanical(…) |
| PropertyCard Class | PropertyCard(…) |
| **R2:**  Calculate selling price | Main Class | calculateSellingPrice():void |
| Controller Class | calculateSellingPrice(String id):double |
| Vehicle Class | calculateSellingPrice():double |
| **R3:**  Generate report | Main Class | generateReport():void |
| Controller Class | generateReport(int option):String |
| Controller Class | generateReportByType():String |
| Controlller Class | generateReportByFuel():String |
| Controller Class | generateReportByUsage():String |
| Motorcycle, GasolineCar, ElectricCar, HybridCar Class | toString():String |
| **R4:**  Show document status | Main Class | showDocumentStatus():void |
| Controller Class | showDocumentStatus(String id):String |
| Controller Class | findVehicle(String id) : Vehicle |
| Vehicle Class | getDocument(int index) : Document |
| LocalDate Class | LocalDate.now().getYear() : int |
| **R5:**  Show parking map | Main Class | showParkingMap():void |
| Controller Class | showParkingMap():String |
| Parking Class | showParkingMap():String |
| **R6:**  Generate parking report | Main Class | generateParkingReport() :void |
| Controller Class | oldCarsInRange(int start, int end):String |
| Parking Class | oldCarsInRange(int start, int end):String |
| Controller Class | oldestVehicle():String |
| Controller Class | newestVehicle():String |
| Vehicle Class | toString():String |
| Controller Class | parkingOccupancyPercentage():String |
| Parking Class | parkingOccupancyPercentage():String |