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| FUNCTIONAL  REQUIREMENTS | **Operation** | **Class** | **Method** |
| R1. Register a vehicle | Read inputs | Main | registerVehicle() |
| Create obj and add it to array | Concessionaire | addVehicle() |
| Constructor vehicles | Gas, Electric, Hybrid, MotorCycle | Gas(), Electric(), Hybrid(), MotorCycle() |
| Constructor documents | Document, Soat, MechanicalReview | Document(), Soat(), MechanicalReview() |
| Add it to parking matrix | Concessionaire | addToParking() |
| Search an empty space in the matrix | Concessionaire | emptyRow() |
| inform | Main | registerVehicle() |
| R2. Calculate sale price | Read inputs | Main | calculateTotalPrice () |
| Search plate | Concessionaire | searchPlate() |
| Get plate | Vehicle | getPlate() |
| Calculate price | Concessionaire | calculatePrice() |
| Get base price | Vehicle | getBasePrice() |
| Get type | Vehicle | getType() |
| Verify documents | vehicle | verifyDocs() |
| Inform | Main | calculateTotalPrice() |
| R3. Show vehicles’ information | Read inputs | Main | showInformation() |
| Gather information | Concessionaire | shosInfo() |
| Get type | Vehicle | getType() |
| Get gas type | Gas | getGasType() |
| to String | Gas, Electric, Hybrid, MotorCycle | toString() |
| Inform | Main | showInformation() |
| R4. Show vehicles’ documents | Read inputs | Main | showDocs() |
| Search vehicle’s index | Concessionaire | searchPlate() |
| Gather information | Concessionaire | shosInfo() |
| Print image Matrix | Concessionaire | printImage() |
| Inform | Main | showDocs() |
| R5. Show parking map | Matrix to String | Concessionaire | showPark() |
| inform | Main | executeOperation() |
| R6. Show parking information | Read inputs | Main | showParkingInfo () |
| Gather info of vehicles in range of years | Concessionaire | vehiclesInRange() |
| Get model | Vehicle | getModel() |
| To String | Vehicle | toString() |
| Gather info of the newest and oldest vehicles | Concessionaire | newestOldest() |
| Calculate the occupation of the parking | Concessionaire | percentageOcupation() |
| Inform | Main | showParkingInfo () |