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| Name | R.# 1. Register new vehicles |
| Description | Allows the user to registrate new vehicles |
| Input | |
| vehicle. | |
| Output | |
| add the new vehicle to the dealer existing list of vehicles | |

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| Name | R.# 2. store sellers & clients info |
| Description | sets the info of all the sellers, sets the info of current clients, along with its consultant, and add new clients if the sellers are available. |
| Input | |
| current sellers, current clients, new clients | |
| Output | |
| sets the list of the sellers, and for each seller,sets the list of its clients. | |

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| Name | R.# 3. Assing vehicles of interest |
| Description | allows the client to have a list of interest vehicles |
| Input | |
| client, vehicle | |
| Output | |
| adds vehicles to the client's list of interest vehicles | |

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| Name | R.# 4.Display vehicle data report |
| Description | shows a report of all the vehicles in the customer's interest list. |
| Input | |
| client | |
| Output | |
| prints all the information associated with the vehicles on the customer list | |

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| Name | R.# 5.Calculate vehicle total price |
| Description | calculates the total price of a vehicle |
| Input | |
| vehicle | |
| Output | |
| total price of the vehicle | |

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| Name | R.# 6.Sell vehicle |
| Description | sells a vehicle to the client. |
| Input | |
| client, seller, vehicle. | |
| Output | |
| seller in charge of the client, adds the total price of the vehicle to the dealer's earnings, and if | |

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| Name | R.# 7.Display a Vehicle catalogue |
| Description | create a catalog of available vehicles, which will show all vehicles in the specific category selected |
| Input | |
| vehicles, category | |
| Output | |
| displays available vehicles in an specific category. | |

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| Name | R.# 8. Decode a vehicles image |
| Description | decode a bidimensional array unique to a document, to obatain the number of the vehicle. |
| Input | |
| Document | |
| Output | |
| Decode number. | |

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| Name | R.# 9. add vehicles to the parking lot |
| Description | determine if a vehicle can be added to the parking lot, add vehicles to the parkign lot |
| Input | |
| parking lot, vehicle | |
| Output | |
| add/remove vehicle, from the parking lot | |

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| Name | R.# 10. Display parking lot info. |
| Description | shows the information of the vehicles in the parking lot, acording to the vehicle year. Also shows the parking lot capacity and if the parking is full, it recomends |
| Input | |
| parking lot | |
| Output | |
| dysplay all the parking lot related info, and vehicles by their year. | |

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| Name | R.# 11. Calculate Battery life & gas consumption |
| Description | calculate battery life & gas consumption, according to the vehicle characteristics |
| Input | |
| vehicle | |
| Output | |
| battery life / gas consumption | |