Tablas de trazabilidad Tarea Integradora 3

R1 :Register a vehicle:

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Ask for the default information for register a vehicle | Main | defaultVehicle() |
| Ask for the type of the vehicle is going to be regist | Main | defaultVehicle() |
| Ask for the specific information of the vehicle | Main | registMotocycle()  registGasCar()  registElectriCar()  registHybridcar() |
| Create the vehicle | Sistem | registMotocycle()  addGasCar()  addElectriCar()  addHybridcar() |
| Add the vehicle to the arraylist vehicles | Sistem | addMotocycle()  addGasCar()  addElectriCar()  addHybridcar() |
| Show the message that confirm the registration | Sistem | addMotocycle()  addGasCar()  addElectriCar()  addHybridcar() |
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R2 : Calculate sell price

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Ask for the base price of the vehicle | Main | defaultVehicle() |
| Ask for the documents that the vehicle have | Main | defaultVehicle() |
| Ask for the specific information of the vehicle | Main | registMotocycle()  registGasCar()  registElectriCar()  registHybridcar() |
| Calculate the sell price in every vehicle depends of some parameters | Vehicle  Motocycle  Car  GasCar  ElectricCar  HybridCar | CalculateSellPrice() |
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R3: Generate reports.

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Ask for the report needed | Main | makeReport() |
| Depends of the report, then call for the toString of the vehicles need to show | Sistem | showOnlymotos()  ShowGasCar()  showElectricCars()  showHybridCar()  showUsedCars()  showNewCars()  showBaterrycars()  showFuelGasCars() |
| Show the information of the vehicle in order | Vehicle  Motocycle  Car  GasCar  ElectricCar  HybridCar  Documents | toString() |
| Show the report | Sistem | showOnlymotos()  ShowGasCar()  showElectricCars()  showHybridCar()  showUsedCars()  showNewCars()  showBaterrycars()  showFuelGasCars() |
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R4: Show the state and documents of a vehicle.

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Ask for the ID of the vehicle | Main | documentsOfVehicle() |
| Search and verify the vehicle with the id was insert | Sistem | documentsReport() |
| Search the way to present the documents of the vehicle | Vehicle | reportDocu() |
| Verify the state of the documents | Vehicle | reportDocu() |
| Correctly show the documents | Documents | toString() |
| Show in screen | Sistem | DocumentsReport() |
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R5: Print the parking in console for show the spaces busy.

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Select the option | Main | showparking() |
| Make the structure with the matrix of the parking | Sistem | showParking() |
| Show in screen | Main | showParking() |
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R6: Make reports of the vehicles inside the parking.(Por eso voy a hacer 3 tablas)

A)Range of years

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Select the option | Main | reportPrking() |
| Receives the range of years | Main | reportRange() |
| Calculate the range and show the information of all the documents of every car | Sistem | reportRange() |

B)The documents of newest model and oldest model of vehicles

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Select the option | Main | reportParking() |
| Search for the newest and oldest cars in the parking | Main | reportNewParking() |
| Show the information of the cars | Vehicle | toString() |

c)Show the percentage of busy

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| Tarea | **Nombre de la Clase** | **Nombre del método** |
| Select the option | Main | reportParking() |
| Search for the spaces null in the matrix of the parking | Sistem | reportPorcentage() |
| Calculate the percentage of busy in the parking | Sistem | reportPorcentage() |