|  |  |
| --- | --- |
| UC Name | *UC-F1 – Calculate taxes* |
| Summary | *The system should calculate taxes for the car bought online and on the shop.* |
| Dependency | *This use case depends on the type of car chosen.* |
| Actors | *The primary actor is the System itself.* |
| Preconditions | *The vehicle should be selected.*  *If its free shipping then no additional taxes are added. (bought the car on the shop)*  *If we buy the car online then taxes on shipping are calculated.* |
| Description of the Main Sequence | * *A user goes to the payment page after he selected a vehicle;* * *On the payment page, taxes are calculated and displayed to the customer.* * *Order is made successfully.* |
| Description of the Alternative Sequence | * *The taxes fail to be calculated.* * *An error message is displayed to the user, like “Try again later”.* |
| Non-functional requirements | *The taxes should be calculated at a high speed ensuring site performance.*  *The taxes retrieved should be accurate in order to avoid errors and discrepancies in tax amounts.* |
| Postconditions | *The taxes were displayed and calculated correctly.* |

|  |  |
| --- | --- |
| UC Name | *UC-F2 – Integration with Tax Authorities* |
| Summary | *The system should be integrated with Tax Authorities API in order to calculate taxes based on different vehicle.* |
| Dependency | *This use case depends on the UC-F1.* |
| Actors | *The primary actor are the Tax Authorities.* |
| Preconditions | *The system must be integrated with the API from tax authorities.* |
| Description of the Main Sequence | * *The system is integrated with the Tax API* * *The system retrieves the taxes value based on the vehicle selected.* |
| Description of the Alternative Sequence | * *The system fails to retrieve the taxes.* * *On FE, a warning error is displayed.* |
| Non functional requirements | *The system should provide high security in order to ensure compliance with data protection regulations.* |
| Postconditions | *The system is successfully integrated with tax authorities.* |

|  |  |
| --- | --- |
| UC Name | *UC-F3 – Audit Integration* |
| Summary | *The system should display the orders and their taxes. Since we operate as a business, taxes will be all gathered and paid at a certain time. Their sum should be shown by the system for the managers to be informed.* |
| Dependency | *This use case depends on the orders made.* |
| Actors | *The primary actor is the Manager.* |
| Preconditions | *The system must be integrated with the API.*  *Some order must be made.* |
| Description of the Main Sequence | * *Customer selects a vehicle.* * *The taxes are calculated for that vehicle.* * *Order is made.* * *Order and its taxes are displayed on the admin dashboard.* * *Taxes are added to the sum of taxes.* |
| Description of the Alternative Sequence | * *Order fails to be displayed on the dashboard.* * *Taxes are not added to the sum.* |
| Non functional requirements | *The system should provide high security in order to ensure compliance with data protection regulations.* |
| Postconditions | *The taxes are successfully added to the sum.* |