Use-case Descriptions:

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| Use Case: | Customer Registration |
| Trigger: | The user wants to register as a new customer with the garage |
| Preconditions: | The user has never registered with the garage before. |
| Main scenarios: |  |
| 1. | The user navigates to the garage's registration page. |
| 2. | The user enters their personal information, including their full name, phone number, and email address, as well as their vehicle information, including the make, model, year, color, and vehicle identification number (VIN). |
| 3. | The user submits the registration form. |
| 4. | The system verifies the user's information and generates a unique customer ID. |
| 5. | The system sends a confirmation message to the user with their customer ID. |
| Exceptions: |  |
| 4a. | 1. The user's information is incomplete or invalid. 2. Cannot proceed, the system prompts the user to correct their information. |
| 4b. | 1. The user already has an account with the garage. 2. The system prompts the user to log in instead. |

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| Use Case: | Payment Calculation |
| Trigger: | The customer or garage wants to calculate the total cost of the selected services. |
| Preconditions: | The selected services are added to the customer or garage's invoice. |
| Main scenarios: |  |
| 1. | The customer or garage selects the "Calculate Payment" option from the billing system's menu |
| 2. | The system applies the appropriate tax rate and any applicable discounts to the selected services |
| 3. | The system calculates the final amount due, taking into account the cost of the services, taxes, and discounts. |
| 4. | The system displays the final amount due to the customer or garage. |
| Exceptions: |  |
| 1a. | 1. The selected services have not been added to the customer or garage's invoice. 2. The system prompts the user to add services to the invoice before calculating the payment. |
| 2a. | 1. The system encounters an error while applying tax or discounts. 2. The system prompts the user to contact customer support for assistance. |
| 3a. | 1. The system encounters an error while calculating the final amount due. 2. The system prompts the user to contact customer support for assistance. |

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| Use Case: | Service Selection |
| Trigger: | The customer or garage wants to select the services they require. |
| Preconditions: | The customer or garage is registered with the billing system. |
| Main scenarios: |  |
| 1. | The customer or garage selects the "Select Services" option from the billing system's menu. |
| 2. | The system displays a list of available services and their prices. |
| 3. | The customer or garage selects the services they require by checking the corresponding checkboxes or entering the quantity for each service. |
| 4. | The system validates the selected services and updates the invoice with the corresponding prices. |
| 5. | The customer or garage reviews the updated invoice and confirms the selection of services. |
| 6. | The system updates the service records and notifies the garage of the selected services. |
| Exceptions: |  |
| 3a. | 1. The customer or garage selects an unavailable service. 2. Error, the system prompts the customer or garage to select available service. |

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| Use Case: | Invoicing |
| Trigger: | The final amount due is calculated and displayed to the customer or garage. |
| Preconditions: | The final amount due is calculated and displayed to the customer or garage. |
| Main scenarios: |  |
| 1. | The customer or garage selects the "Generate Invoice" option from the billing system's menu. |
| 2. | The system generates an invoice for the customer or garage based on the selected services and the final amount due. |
| 3. | The system includes the customer or garage's details, such as name, address, and contact information, as well as the details of the services provided, the cost of each service, the total cost, any applicable taxes, and any discounts applied. |
| 4. | The system sends the invoice to the customer or garage for payment. |
| Exceptions: |  |
| 3a. | 1. If the system encounters an error generating the invoice. 2. It notifies the customer or garage and provides instructions for resolving the issue. |
| 4a. | 1. The invoice is not delivered to the customer or garage due to technical or other issues. 2. The system logs the issue and initiates a process to re-send or re-generate the invoice. |

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| Use Case: | Reporting |
| Trigger: | The garage wants to generate a report on the services provided to customers and garages. |
| Preconditions: | The garage has provided services to at least one customer or garage. |
| Main scenarios: |  |
| 1. | The garage selects the "Generate Report" option from the billing system's menu. |
| 2. | The system presents a range of report types to choose from, such as "Sales Report", "Service Report", "Customer Report", and "Vehicle Report". |
| 3. | The garage selects the report type they wish to generate. |
| 4. | The system prompts the garage to specify the parameters of the report, such as the time frame, the service category, or the customer/garage name. |
| 5. | The garage enters the required parameters. |
| 6. | The system generates the report based on the specified parameters. |
| 7. | The system displays the generated report to the garage. |
| 8. | The garage can choose to export the report in various formats, such as PDF, CSV, or Excel. |
| 9. | The system exports the report in the selected format and saves it to the garage's device or sends it via email if requested. |
| Exceptions: |  |
| 1a. | 1. There are no services provided to customers and garages. 2. The system displays an error message indicating that there is no data to generate a report. |
| 2a. | 1. The system encounters an error while generating the report. 2. The system prompts the user to contact customer support for assistance. |