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| Use Case: | Create a customer database |
| Trigger: | The user wants to register into the garage system |
| Main Scenario: |  |
| 1. | The customer asks to register as a new customer in the garage system |
| 2. | The customer enters his personal details |
| 3. | The customer enters his contact information |
| 4. | The garage system verifies the contact information |
| 5. | The garage system verifies save the user’s information into the database |
| 6. | The garage system asks the user to create a username and pin code |
| 7. | The garage system verifies the username and pin code |
| 8. | The customer logs in to the garage system using the username and pin code |
| 9. | The customer adds the vehicle details to the account |
| 10. | The garage system saves the vehicle information |
| Exceptions: |  |
| 4a. | 1. The contact information is wrong. 2. The garage system notifies the customer and asks the customer to enter the correct contact information. |
| 6a. | 1. The username is already used. 2. The garage system notifies the customer and asks the customer to choose another username. |
| 8a. | 1. The username and pin code does not match. 2. The garage system notifies the customer and asks the customer to enter the right username and password. |

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| Use Case: | Manage appointments |
| Trigger: | The customer wants to take an appointment |
| Preconditions: | The customer is authenticated |
| Main Scenario: |  |
| 1. | The customer asks the appointment and billing team to take an appointment. |
| 2. | The appointment and billing team asks the customer to provide the username and pin code. |
| 3. | The customer provides the username and pin code to the appointment and billing team. |
| 4. | The customer selects a vehicle. |
| 5. | The customer selects the services. |
| 6. | The customer selects a Date and time. |
| 7. | The appointment and billing team verifies the availability |
| 8. | The appointment and billing team confirms the appointment to the customer. |
| Exceptions: |  |
| 3a. | 1. The username and pin code does not match. 2. The appointment and billing team notifies the customer and asks to enter the right username and pin code. |
| 4a. | 1. The vehicle is not registered into the garage system. 2. The appointment and billing team notifies the customer that the vehicle need to be registered into the garage system. |
| 7a. | 1. There is no availability in the selected date and time. 2. The appointment and billing team asks the customer to change the selected data and time. |

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| Use Case: | Repair the vehicle |
| Trigger: | The customer wants to repair the vehicle |
| Preconditions: | The customer has an appointment |
| Main Scenario: |  |
| 1. | The customer drops the vehicle at the garage. |
| 2. | The service team verifies that the customer has an appointment on the given data and time. |
| 3. | The service team receives the vehicle from the customer. |
| 4. | The service team updates the state of the service to “Under process”. |
| 5. | The service team repairs the vehicle. |
| 6. | The service team updates the state of the service to “Repaired and ready”. |
| Exceptions: |  |
| 1a. | 1. The customer did not drop the vehicle at the garage. 2. The service team asks the appointment and billing team to contact the customer and reschedule the appointment. |
| 2a. | 1. The customer does not have an appointment. 2. The service team asks the appointment and billing team to schedule an appointment for the vehicle. |

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| Use Case: | Generate Invoice |
| Notes: | Extends “Discount” |
| Trigger: | The customer wants to get an invoice |
| Main Scenario: |  |
| 1. | The customer asks the appointment and billing team to generate the invoice. |
| 2. | The appointment and billing team asks the customer to provide the username and the pin code. |
| 3. | The appointment and billing team asks the customer to verify the vehicle information. |
| 4. | The appointment and billing team adds the customer and vehicle information to the invoice. |
| 5. | The appointment and billing team asks the customer to verify the list of services that are done. |
| 6. | The appointment and billing team adds the list of services that are done to the invoice. |
| 7. | The appointment and billing team asks the customer to provide the discount code. (do I have to add an exception for it??) |
| 8. | The appointment and billing team calculates the taxes, total, discount, and final amount. |
| 9. | The appointment and billing team prints a copy of the invoice for the customer. |
| Exceptions: |  |
| 2a. | 1. The username and pin code does not match. 2. The appointment and billing team notifies the customer and asks to enter the right username and pin code. |
| 3a. | 1. The vehicle is not registered into the garage system. 2. The appointment and billing team notifies the customer that the vehicle need to be registered into the garage system. (how would the customer asks for the invoice if the vehicle isn’t registered ) |
| 5a. | 1. The list is not updated with all the services done. 2. The appointment and billing team updates the list of services |

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| Use Case: | Authenticate Customer |
| Trigger: | The system authenticates the customer. |
| Preconditions: | The customer is registered in the garage system. |
| Main Scenario: |  |
| 1. | The garage system asks the user to provide credentials to be authenticated. |
| 2. | The Customer provides credentials. |
| 3. | The garage system validates that the credentials are valid. |
| Exceptions: |  |
| 1a. | 1. The customer provides the wrong credentials. 2. The garage system shows an error message and asks the customer to enter the correct credentials. |

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| Use Case: | Apply Discount |
| Trigger: | The customer has a discount code. |
| Preconditions: | The customer asked the appointment and billing team to generate the invoice. |
| Main Scenario: |  |
| 1. | The customer asks the appointment and billing team to apply a discount. |
| 2. | The appointment and billing team asks the customer to provide the discount code. |
| 3. | The appointment and billing team adds the discount code to the invoice. |
| Exceptions: |  |
| 2a. | 1. The discount code is invalid. 2. The use case ends. |