# Use Case Description

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| **Use Case name:** | Buying a car |
| **Product name:** | Automobile |
| **Team:** | strangers |
| **Date:** | Feb. 16 |

| 1. Goal |
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| Customer is able to purchase a car from website |

| 2. Summary |
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| Customer can browse site for a car of their preference, and conduct successful transaction to purchase car online. |

| 3. Actors |
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| Actor 1: Customer  Actor 2: Website |

| 4. Preconditions |
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| * Customer has web access * Website is up and running * Customer Is looking for a car to buy |

| 5. Trigger |
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| --- | --- |
| 6. Primary Sequence | |
| **Step** | **Action** |
| 1 | Customer browses website for preferred car |
| 2 | Customer filters search by make, model, brand, and year. |
| 3  4  5 | Customer presses purchase button to buy car  Customer fills out billing information  Site returns a receipt for customer |
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| 7. Primary Postconditions |
| --- |
| * Billing information is accurate * Customer's card is accepted for billing |

| 8. Alternate Sequences | |
| --- | --- |
| **Alternate Trigger** | |
| Customer enters wrong billing information | |
| **Step** | **Action** |
| 1 | Customer clicks on purchase button |
| 2 | Customer incorrectly fills in billing information |
|  |  |
| Alternate Postconditions | |
| * Site returns a “transaction incomplete” page | |
| **Alternate Trigger** | |
| Customer's credit card is rejected | |
| **Step** | **Action** |
| 1 | Customer clicks on purchase button |
| 2 | Customer fills in billing information, |
| *etc.* |  |
| Alternate Postconditions | |
| * Customer's billing info correct   *etc.* | |

| 9. Nonfunctional Requirements |
| --- |
| * Secure financial processing software |

| 10. Glossary |
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User Login:

1. If the user already has an account he pushes the button “LogIn” -> 2  
   or  
   If the user doesn’t have an account he pushes the button “SignIn” -> 6
2. A form appears to input user name which is the user email and the password  
   As usually happens, the password is not visible
3. If the user/password combination is invalid or unknown a warning message is showed and the action loops back to 2
4. If the user/password combination is valid the corresponding user is logged and session ID is returned by the server
5. The user personal home page appears ready for next user activity
6. A form appears asking for the following information:  
   First name  
   Last name  
   Email  
   Phone (optional)  
   Password
7. The user pushes the “Create Account” button
8. If the account creation fails a warning message is showed and the action loops back to 7
9. If the account is created successfully, the action continues from 4

Use Case Description:

Name: Find Local Dealership

Goal: User should be able to find a local dealership to test-drive car.

Summary: System should give user the location of the nearest dealership with said car

Actors: The user and the website

Preconditions:

User is either on website home page or on a car page

Trigger:

If user is on website home page, user would click on a Find Us tab and website would give all location of dealerships

If user is on a car page, user would find an option where user can input their address/zipcode to find the nearest dealership with said car

Primary sequence:

1. User clicks on Find Us tab

2. System would give out a list of all locations of dealership

Alternate sequences:

1. User can filter out locations by entering their address/zipcode

System would narrow the list down based on input

2. User is on a car page

2.1 User enter their address/zipcode into system for finding nearest dealership with said car

2.2 System then gives out all locations nearby with the user's location with the said car

Postconditions:

User should be able to see locations of car dealership

OR

User should find no results of nearest car dealership