

Use Case Specification

Use Case ID: **UC 1.0**

Use Case Name: *Client Creating a profile*

Relevant Requirements: *Use Case.pdf page #1*

Primary Actor: *Client*

Pre-conditions: *The client must have a Dash Device Identification number.*

Post-conditions: *The Client has created a user profile with all of the required information.*

Basic Flow or Main Scenario:

Event 1: The client types in the URL for the website and clicks on a new account.

Event 2: The website displays the page with blank spots for the user to enter information.

Event 3: The client first enters his/her first name in the first box.

Event 4: Then he/she enters his/her last name in the second box.

Event 5: The client enters his/her email address.

Event 6: The client enters home address starting with street number and street name in one box.

Event 7: Then enters the city name.

Event 8: The client enters the state abbreviation.

Event 9: Then the client enters the zip code without any dashes.

Event 10: The client enters his/her phone number with any parentheses or dashes.

Event 11: The client enters his/her Dash Device ID number to activate the account.

Event 12: The client clicks submit, and the webpage goes to the next page.

Extensions or Alternate Flows:

If in step 2 – 11 the client is missing some information in the Basic Flow:

1. *The use case ends with a failure condition.*

Exceptions:

2a. The website crashes.

2b. The user enters wrong URL

2c. The client doesn't enter his/her first name.

2d. The client doesn't enter his/her last name.

2e. The client doesn't enter email address

2f. The client enters the wrong email address

2g. The user enters the wrong extension for email address

2h. The client doesn't enter his/her first characters instead of numbers for street number.

2i. The client doesn't enter the street number.

2j. The client doesn't enter his/her first street name.

2k. The user enters the wrong street name.

2l. The client doesn't enter the city name.

2m. The user enters the wrong state abbreviation.

2n. The client doesn't enter the state abbreviation.

2o. The client tries to enter the whole state name instead of just two letters.

2p. The client doesn't enter his/her first zip code.

2q. The user enters the wrong zip code.

- 2r. The client enters the zip code with dashes.
- 2s. The user enters the phone number with parentheses.
- 2t. The client enters the phone number with a dash in the middle.
- 2u. The user enters the phone with only 6 digits.
- 2v. The client enters the wrong phone number.
- 2w. The client enters Dash Device ID number incorrectly.
- 2x. The client doesn't enter his/her Dash Device ID number.
- 2y. The client loses the Dash Device ID number.
- 2z. The client enters the wrong Dash Device ID number.
- 3a. The client forgets to click on submit to continue on.
- 3b. The webpage freezes before moving on to the next page.
- 3c. The webpage crashes after clicking submit.

Related Use Cases: **UC 1.1**, **UC 1.2**

Use Case ID: **UC 1.1**

Use Case Name: Client creating vehicle profile

Relevant Requirements: Use Case.pdf page #1

Primary Actor: Client

Pre-conditions: The client must have a vehicle to enter the vehicle information. The client has already filled up their information in the user profile.

Post-conditions: The client is able to enter all of the required information for his/her automotive vehicle and register their vehicle in the system.

Basic Flow or Main Scenario:

- Event 1: In the web browser enter the URL and sign into the system.
- Event 2: The user clicks on the vehicle information button.
- Event 3: The webpage loads up the page with empty spots for vehicle information.
- Event 4: The client enters the Dash Device ID number in the first empty box.
- Event 5: Then the client enters the make of the vehicle.
- Event 6: The client enters the vehicle model.
- Event 7: The client enters the year of the vehicle.
- Event 8: The client enters the color of the vehicle.
- Event 9: The client enters the axle of the vehicle.
- Event 10: The client enters the license plate number of the vehicle.
- Event 11: The client selects the box if the vehicle is a clean air automotive or not.
- Event 12: The client can also delete vehicle(s) from this site.

Extensions or Alternate Flows:

If in step 1 – 12 the client is missing some information in the Basic Flow:

1. The use case ends with a failure condition.

Exceptions:

- 1a. The webpage for vehicle profile doesn't open.
- 1b. The webpage crashes before the client could enter any information.
- 1c. The web browser could not open the web page.
- 1d. The user clicks on a different button instead of clicking on the vehicle information button.
- 1e. The client doesn't click right on the button, he/she clicks around the button.
- 1f. The webpage doesn't have empty spots for the client to enter vehicle information.

- 1g. The client enters the wrong Dash Device ID number.
- 1h. The client enters the Dash Device ID number in the wrong area.
- 1i. The client forgets the Dash Device ID number.
- 1j. The client enters the incorrect make of the vehicle.
- 1k. The client enters the model instead of the make of the vehicle.
- 1l. The user doesn't know the make of the vehicle.
- 1m. The client enters the wrong model of the vehicle.
- 1n. The client doesn't know the model of the vehicle.
- 1o. The client enters the wrong year of the vehicle.
- 1p. The client enters 5 or more digits for the year of the vehicle.
- 1q. The client enters the wrong year of the vehicle.
- 1r. The client enters the wrong color of the vehicle.
- 1s. The client enters the wrong axle of the vehicle.
- 1t. The client doesn't know the axle of his/her vehicle.
- 1u. The user enters the wrong license plate number.
- 1v. The client doesn't know his/her license plate number.
- 1w. The client enters 4 letters and 3 numbers for license plate number.
- 1x. The client forgets to enter the license plate number.
- 1y. The client selects the clean air vehicle box although his/her vehicle is not a clean air automotive.
- 1z. The client forgets to select the clean air vehicle even though her/his vehicle is a clean air automotive.
- 2a. The client does not delete the existing vehicle on the profile after selling or not using the vehicle on record.

Related Use Cases: N/A

Use Case ID: **UC 1.2**

Use Case Name: *Entering payment information.*

Relevant Requirements: Use Case.pdf page #1

Primary Actor: *Client*

Pre-conditions: *The client must have a valid credit or debit card. The client must already have created a profile with all of the required information.*

Post-conditions: *The client is able to set up credit or debit card information, delete card information, and get the balance on the account. The client is able to set schedule payment on the account and load the account with money.*

Basic Flow or Main Scenario:

Event 1: The client opens the browser and logs into the webpage.

Event 2: The client clicks on the payment button and the web pages takes him/her to the payment information page.

Event 3: The webpage displays an empty set of card information boxes.

Event 4: The client enters the full name on the credit or debit card.

Event 5: In the next box the client enters the whole credit or debit card number.

Event 6: Then the client enters the expiration date without any slashes.

Event 7: The client enters the 3 digits CVV numbers of the credit or debit card.

Event 8: Then the client clicks save.

Event 9: The client clicks on the load account and adds money value to the account.

Event 10: Then the client clicks on save.

Event 11: The client can check the account balance by clicking on balance.

Event 12: The client clicks on schedule payments to schedule a specific time for account balance payment.

Event 13: Then the client clicks on submit and logs out of the system.

Extensions or Alternate Flows:

If in step 1 – 13 the client is missing some information in the Basic Flow:

2. *The use case ends with a failure condition.*

Exceptions: {This section describes all error conditions that can arise in the use case.}

2a. *The client can not log into the webpage.*

2b. *The client clicks on the wrong button.*

2c. *The client doesn't see the payment button.*

2d. *The web page doesn't display the empty fields for the client to enter the information.*

2e. *The client enters half of the credit or debit card number.*

2f. *The client is entering the wrong number.*

2g. *The credit or debit card has characters or letters instead of numbers.*

2h. *The client enters the credit or debit card number of the expired card.*

2i. *The client enters expiration date with slashes.*

2j. *The client enters the whole year 4 digits instead of two digits for year.*

- 2k. The client enters the wrong CVV numbers.*
- 2l. The client doesn't know where the CVV numbers are.*
- 2m. The client doesn't know what the CVV numbers are.*
- 2n. The client enters 5 digits for CVV numbers.*
- 2o. The client doesn't press save and just reloads the page.*
- 2p. The client closes the web page.*
- 2q. The client doesn't know how to schedule payments.*
- 2r. The client selects the wrong date to set for schedule payments.*
- 2s. The client doesn't know where to go to schedule payments.*
- 2t. The client doesn't know where to check account balance.*
- 2u. The client doesn't add enough money to the account.*
- 2v. The client doesn't pay outstanding balance.*

Related Use Cases: N/A