Sprint 3: Project

## Requirements Analysis

**CARSHARING:**

* FR-CS32—To order a car, the user must enter the card information and click "Add." There shall be no limit to the number of cards that can be added.
  + Check that there is no limit of cards that can be added
* FR-CS33—The following limits shall be applied to the input fields for card payments:

| FIELD | LIMITS |
| --- | --- |
| Card Number | Any input besides numbers is incorrect, so the system will not allow it.  No more than 12 characters are allowed. The input format is: nnnn nnnn nnnn  The boundary values are 0000 and 9999, inclusive.  Spaces between numbers will be automatically added when the field is not in focus.  The "Add" button will remain inactive if the input length is less than 12 characters. |
| CVV/CVC | Any input besides numbers is incorrect, so the system will not allow it. No more than 2 characters are allowed. The input format is: nn  The boundary values are 01 and 99, inclusive.  The "Add" button will remain inactive if the input length is less than 2 characters. |

* + Check that letters cannot be entered in the card number field
  + Check that letters cannot be entered in the CVV/CVC field
  + Check that symbols cannot be entered into the Card Number field
  + Check that symbols cannot be entered into the CVV/CVC field
  + Check that dashes cannot be entered into the Card Number field
  + Check that dashes cannot be entered into the CVV/CVC field
  + Check that commas cannot be entered into the card number field
  + Check that commas cannot be entered into the CVV/CVC field
  + Check that punctuation marks cannot be entered into the card number field
  + Check that punctuation marks cannot be entered into the CVV/CVC field
  + Check that no more than 12 characters can be entered into the card number field
  + Check that 12 characters are a valid input entered into the Card Number field
  + Check that 2 characters are a valid input entered into the CVV/CVC field
  + Check that no more than 2 characters can be entered into CVV/CVC field
  + Check that the add button remains inactive if the input length is less than 2 characters in the CVV/CVC field
  + Check that the add button remains inactive if the character length is less than 12 characters in the card number field
  + Check that spaces are automatically added when the card number field is not in focus
* FR-CS35 (OPTIONAL)—The system shall encrypt card payment details when sending them from the client to the server.
  + Check that the card number details are encrypted
  + Check that the CVV/CVC numbers are encrypted

**AERO TAXI:**

* FR-AT4: The total travel time and cost should be calculated correctly
  + Check that total time is calculated correctly
  + Check that total cost is calculated corrected
* FR-AT6: The calculation result should display the total travel time and cost for the Aero Taxi.
  + Check that calculation result displays total travel time correctly
  + Check that calculation result displays total cost correctly

## 