

# COM1001 Introduction to Software Engineering

Spring Semester, Report for the second iteration

Weeks 9-11

Group 28

Team members:

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- Kacper T Lodzinski
- Michal J Sekulski
- Lee Norris - *left the team*

## 1. Instructions on how to run and access the system:

### Running the system:

After downloading the whole repository, there should be a file named '*app.rb*' that is not hidden in any folder. Open the console and move to the project's path and then run that file using the '*ruby app.rb*' command.

### How to access the system's functions:

The main page/homepage allows the users to create an account or log in if they have created their account already. An account with admin privileges has already been set up with the following credentials:

Email: [test@sheffield.ac.uk](mailto:test@sheffield.ac.uk)

Password: test

After logging in to the admin system, a list of actions should be displayed: "Incoming tweets", "Current orders", "View cars", "Add cars", "Users" and "Map". Clicking each of the phrases allows to see and partly manage the orders and the fleet. After choosing any of these features, an operator can access all of them again by pressing "Admin system" in top left corner.

In the "Incoming tweets" menu are a list of tweets that mention our Twitter account. From this list, hitting 'Expand' allows you to enter the relevant information for making a booking and simultaneously replying to a tweet. Note that the 'Date' and 'Time' fields are autofilled in YYYY-MM-DD and HH:MM[:SS] formats, but this is not strictly enforced; the pickup location is also autofilled if a valid UK postcode not prefixed by the word 'to' is found, but again can be set to any value.

Confirmed tweets enter the "Current orders" menu, where you can see the details of each order in a list; clicking on any of these details allows you to edit the content of that field, and

any edits will be saved to the order on hitting the 'Update' button. The original tweet is shown under 'Expand', and shows all tweets sent by the customer relating to their order.

User can log out from the system by clicking "Log out" button and this moves the user to the homepage.

Users have different functionalities accessible on our website. After logging in they will be redirected to the account page. It is a menu with 3 links: user settings, favourite places and orders history. In the first one the user has the opportunity to change existing password to the new one. For safety reasons the user need to rewrite the password to make sure that there are no typos. By going to the favourite places there are two features implemented: adding new destinations to favourite and showing existing ones. The last page shows the user's order history, if they have one.

## **2. Resubmission of your stories, with changes annotated and highlighted:**

In semester 2, we decided to have another look at user stories. We knew that changes can be made anytime and therefore we took the full advantage of that and improved them according to our vision. We reviewed them before making any changes and rearranged the user's stories, having in mind semester 1's feedback, changes made by client or changes made due to technical reasons. Some of the user stories were finished relatively quickly but some of them require a bit more time. We decided to defer couple of stories till the second iteration and some were finished partially. Generally, our stories did not require that many changes but sometimes it was essential.

Here is the new version of user stories:

<p>0. As a customer I would like to order my taxi through Twitter.</p> <p>Estimated time: 1</p> <p>Acceptance Criteria:</p> <p>Website properly working with Twitter environment</p>	<p>This user story is considered to be finished. It's essential and related to almost all user stories.</p>
<p>1.As a customer, I would like to order a taxi without a account.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria:</p> <p>User is required to have a Twitter account in order to order</p>	<p>Customer can order a taxi without an account but we encourage creating one so they can see their order history.</p>

<p>2. As a customer, I would like to be able to tweet a street address when ordering a taxi so that drivers can pick me up from there.</p> <p>Estimated time: 1</p> <p>Acceptance Criteria: recognising the street address</p>	<p>This user story involves a lot of effort. It has been on our priority list all the time as this is the core task. Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story.</p>
<p>3. As a customer, I would like to be able to tweet a postcode when ordering a taxi so that drivers can pick me up from there.</p> <p>Estimated time: 1</p> <p>Acceptance Criteria: recognising the postcode</p>	<p>This user story is considered to be finished in second iteration.</p>
<p>4. As an operator, I need to see the tweeted orders appear on the admin section of the website.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: Tweets must be displayed in order on the admin page</p>	<p>This user story is considered to be finished in first iteration. By finishing this, operator is able to see all orders.</p>
<p>5. As an operator, I want to be able to reply to tweets as soon as I receive them, so customers know what's happening.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: reply box for new tweets</p>	<p>This user story is considered to be finished in first iteration. Operator can decide to accept or reject the orders.</p>
<p>6. As an operator, I want to be able to see the availability of cars: waiting, on its way, with a fare, etc.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: monitoring system for cars and displaying it on the screen</p>	<p>This user story is considered to be finished.</p>

<p>7.As an operator, I want to be able to change the availability of each car in the fleet using the system</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: editing page for fleet cars</p>	<p>This user story is considered to be finished.</p>
<p>8.As an operator, I want to be able to easily add and remove cars from the fleet list.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: adding and removing button for fleet cars</p>	<p>This user story is considered to be finished.</p>
<p>9.As an operator, I need to know that I can get back into the system if I forget my password.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: forgot password button and forgotten password email system</p>	<p>Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story.</p>
<p>10.As a customer, I would like to be able to access rewards and special deals through my account on the website.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: rewards page on the website after logging in</p>	<p>Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story.</p>
<p>11.As an operator, tweets need to be in conversation threads.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: group the tweets and replies in threads</p>	<p>This user story is considered to be finished in second iteration.</p>

<p>12.As a customer, I would like to have confirmation that my taxi has been cancelled when I send a cancellation tweet.</p> <p>Estimated time: 1</p> <p>Acceptance Criteria: send tweet with cancel confirmation</p>	<p>Although there is no explicit system for this, it is possible to reply to customers before cancelling their order .</p>
<p>13.As a customer, I would like to receive confirmation that a taxi is on its way, and how long it will take so I know when to be ready.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: send the tweet with taxi confirmation and with estimated time to the destination</p>	<p>This user story is considered to be finished.</p>
<p>14.As a customer, I would like to be able to edit my personal details and choose what happens with my data through my account on the website.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: personal details page</p>	<p>This user story is considered to be partially finished: it is possible to define favourite places, but not to choose how personal information is handled.</p>
<p>15.As a customer, I would like my account on the website to be linked to my Twitter handle.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: storing the twitter names on the website and linking them with accounts on the website</p>	<p>This user story is considered to be finished in first iteration.</p>

<p>16.As a customer, I would like to be able to access my order history through the website.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: order history page</p>	<p>This user story card has been finished in second iteration.</p>
<p>17.As an operator, I would like to have the ability to let the system automatically reply to some customer tweets.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria:</p> <p><b>chatbot</b> on Twitter for some specific tweets</p>	<p>We might not make a chatbot, but we will use the Twitter reply method to reply tweets automatically.</p>
<p>18.As an operator, I want to be able to set competitions in motion and for the system to manage them automatically.</p> <p>Estimated time: 8</p> <p>Acceptance Criteria:</p> <p>competition management system and page for setting competitions</p>	<p>This user story is not finished.</p>
<p>19.As a customer, if possible I would like my phone to send my location when ordering a taxi so that drivers can pick me up from there.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria:</p> <p>taking a location and adding it to the tweets</p>	<p>This user story involves a lot of effort. It has been on our priority list all the time as this is the core task. Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story. We're just using postcode.</p>

<p>20.As a customer, I would like to be able to cancel a taxi order by tweet in the same way I ordered it.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: recognising cancellation tweets</p>	<p>Although no specific mechanism exists, it is possible to reply to a customer's tweets and cancel their order from the 'Current orders' screen .</p>
<p>21.As a customer, I would like to be able to update my location while a taxi is on its way.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: update location system</p>	<p>This user story is quite challenging, so we decide to ignore this one.</p>
<p>22.As a customer, I would like to be able to see the different types of cars available (eg. no of seats) to order on the website, and to specify a type when ordering by tweet.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria: displaying the table page with all cars, including type, size and other details.</p>	<p>This user story is considered to be finished in second iteration.</p>
<p>23.As a customer, I would like to be able to check the availability of taxis on the website before I order.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: page with taxi availability</p>	<p>This user story is considered to be finished in second iteration.</p>

<p>24.As a customer, I would like to be able to specify my 'work' location so that I can easily order a taxi using that keyword instead of specifying an address.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: being able to add work location on personal details page on the website</p>	<p>This user story is partially finished; it is possible to define favourite locations as a user, but there is not yet a system for retrieving them from the order management screens.</p>
<p>25.As a customer, I would like to be able to specify my 'home' location so that I can easily order a taxi using that keyword instead of specifying an address.</p> <p>Estimated time: 2</p> <p>Acceptance Criteria: being able to add home location on personal details page on the website</p>	<p>This user story is partially finished; it is possible to define favourite locations as a user, but there is not yet a system for retrieving them from the order management screens.</p>
<p>26.As an operator, I need to quickly see a user's details, order history and status so I can interact with them appropriately.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: admin page with access to all user's details, order and being able to edit it</p>	<p>This user story is considered to be finished in first iteration.</p>
<p>27.As an operator, I want to be able to easily edit user details/status, including account credit for rides or blocking them from the service.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: page for altering the user's details</p>	<p>This user story is not yet finished.</p>



<p>28.As a customer, I would like to be able to get back into my account if I forget my password.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria:</p> <p>forgot password email and button.</p> <p>Resetting password page</p>	<p>This user story involves a lot of effort. It has been on our priority list all the time as this it the core task. Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story.</p>
<p>29.As an operator, I would like to see customer pickup points and destinations on a map.</p> <p>Estimated time: 8</p> <p>Acceptance Criteria: admin page with map and customers locations</p>	<p>This user story is nearly done, but we faced complicated problems with postcode lookups for coordinates. A map with no additional information has been provided.</p>
<p>30.As an operator, I need to know that the interactions I have with the system are secure, with an appropriate way of logging in and verifying my identity.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria:</p> <p>special admin login page and setting password and admin name</p>	<p>This user story is considered to be finished in first iteration. We are not planning to make any changes to this story card.</p>
<p>31.As a customer, I would like to be able to tweet the name of a local landmark when ordering a taxi so that drivers can pick me up from there.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria:</p> <p>system recognise landmark name</p>	<p>As this story card suggests an automated lookup of local landmarks with which to retrieve location data, we were not able to fully cover this user story. We're just using postcode.</p>

<p>32.As an operator, I would like to not have to deal with tweets that are clearly not feasible orders, so I can concentrate my time and effort on viable customers.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria: system to filter unreal tweets and enquiries</p>	<p>This user story is considered to be finished in first iteration. We are not planning to change this story.</p>
<p>33.As a customer, I need the website to be accessible, intuitive and quick to navigate so that I can order a taxi without too much hassle.</p> <p>Estimated time: 3</p> <p>Acceptance Criteria: get everywhere on the website within 3 clicks</p>	<p>This user story is considered to be finished in first iteration.</p>
<p>34.As a customer, I would like to be able to tweet a what3words code when ordering a taxi so that drivers can pick me up from there.</p> <p>Estimated time: 5</p> <p>Acceptance Criteria: what3words code system</p>	<p>This user story involves a lot of effort. It has been on our priority list all the time as this is the core task. Unfortunately, due to number of unfinished tasks we were not able to fully cover this user story.</p>

### **3. The stories you planned to tackle in this iteration:**

Our aim in the first iteration was to do around half of the user stories, creating a good base for the project which we can then add to. We are glad that we did so as workflow in the second part of the project was much more smoother. We have left out little features which we plan to add to the website which were not needed, but would be added to improve the quality of our system, such as being able to request a taxi from a landmark. Below we have listed all the story cards we planned to tackle in the second iteration along with who worked on each one.

As a customer I would like to order my taxi through Twitter.- Jamie

As an operator, tweets need to be in conversation threads.- Jamie

As a customer, I would like to be able to tweet a postcode when ordering a taxi so that drivers can pick me up from there - Jamie

As a customer, I would like to be able to cancel a taxi order by tweet in the same way I ordered it - Jamie

As a customer, I would like to be able to edit my personal details and choose what happens with my data through my account on the website.- Kacper

As a customer, I would like to be able to specify my 'home' location so that I can easily order a taxi using that keyword instead of specifying an address.-Kacper

As a customer, I would like to be able to specify my 'work' location so that I can easily order a taxi using that keyword instead of specifying an address.-Kacper

As a customer, I would like to be able to access my order history through the website.-Kacper

As a customer, I would like to be able to edit my personal details and choose what happens with my data through my account on the website.-Kacper

As an operator, I would like to see customer pickup points and destinations on a map.-Huiqiang

As a customer, I would like to be able to check the availability of taxis on the website before I order. - Ziting and Toby

As a customer, I would like to be able to see the different types of cars available (eg. no of seats) to order on the website, and to specify a type when ordering by tweet. - Ziting and Toby

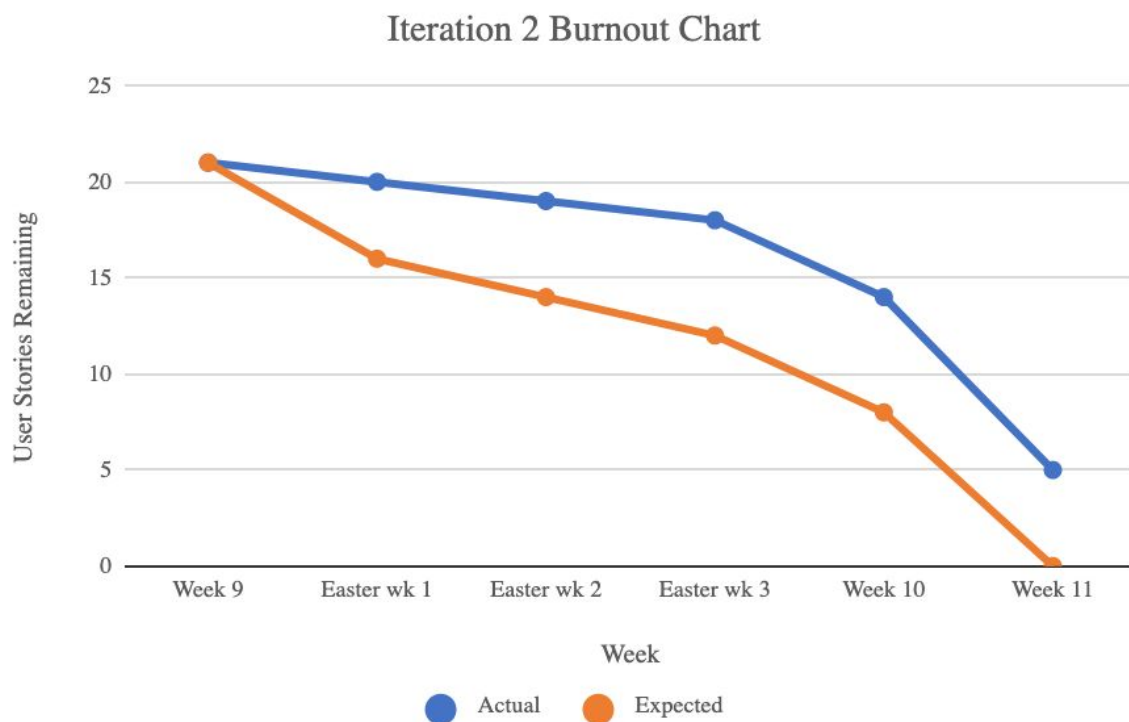
As an operator, I want to be able to see the availability of cars: waiting, on its way, with a fare, etc - Toby and Ziting

As an operator, I want to be able to easily add and remove cars from the fleet list - Toby and Ziting

Michal did not complete any user stories in this iteration but created contact page and took a leading role in rescuing our system testing.

4. Your burndown chart, showing progress over all of your stories over the iteration:

User stories	Week9	Eweek1	Eweek2	Eweek3	Week10	Week11
Expected	21	16	14	12	8	0
Actual	21	20	19	18	14	5



## 5. Testing and test coverage:

Main method of testing, Cucumber(with capybara), did not work properly throughout the first iteration but our supervisor managed to help us and we got back on track in week 11. In the second part(and first combined)however, we managed to reach a coverage of 55/56% solely with cucumber. The minitests simulate database and although we did not have enough time to fully cover this way of testing, we did make an attempt to show their usefulness.

### Testing with MiniTest

Test\_method.rb :

```
def create_order(text, time, carID)

  return 0 if
  text = text.strip
  time = time.strip.to_i
  carID = carID.strip.to_i
  ary = [text, time, carID]
end

def create_user(display_name, email, password)

  return 1 if
  display_name = display_name.strip
  email = email.strip
  password = password.strip
  ary = [display_name, email, password]
end

def create_tweet(in_reply_to_status_id, reply)

  return 2 if
  tweet_id = in_reply_to_status_id.strip
  tweet_text = reply.strip
  ary = [in_reply_to_status_id, reply]
end
```

miniTesting.rb :

```
require 'minitest/autorun'
require_relative 'test_method'

class TestStringComparison < Minitest::Test

  def test_order
    assert_equal 0, create_order("abc", 123, 1234)
  end

  def test_user
    assert_equal 1, create_user("abcd", 1234, 123456)
  end

  def test_tweet
    assert_equal 2, create_tweet("ab123", "abc")
  end

end
```

Console after running miniTesting.rb :

```
Run options: --seed 16593

# Running:

...

Finished in 0.000915s, 3278.6277 runs/s, 3278.6277 assertions/s.

3 runs, 3 assertions, 0 failures, 0 errors, 0 skips
codio@delta-impress:~/workspace/project/controllers$
```

## Cucumber tests:

### 1. Contactpage test:

```
codio@kayak-blast:~/workspace/project$ cucumber features/contact.feature
Feature: contact

  Scenario: Sending email # features/contact.feature:3
    Given I am on the contactpage # features/step_definitions/web_steps.rb:13
    When I fill in "firstName" with "test" # features/step_definitions/web_steps.rb:33
    When I fill in "email" with "test@test.test" # features/step_definitions/web_steps.rb:33
    When I fill in "subject" with "test" # features/step_definitions/web_steps.rb:33
    When I fill in "message" with "test" # features/step_definitions/web_steps.rb:33
    When I press "Submit" within "form" # features/step_definitions/web_steps.rb:21
    Then I should see "Email sent 📧😊" # features/step_definitions/web_steps.rb:101

1 scenario (1 passed)
7 steps (7 passed)
0m1.461s
codio@kayak-blast:~/workspace/project$
```

### 2. Homepage tests:

```
codio@kayak-blast:~/workspace/project$ cucumber features/home.feature
Feature: home page

  Scenario: Show the home page # features/home.feature:3
    Given I am on the homepage # features/step_definitions/web_steps.rb:13
    When I press "Create an account" # features/step_definitions/web_steps.rb:21
    Then I should see "Sign up" # features/step_definitions/web_steps.rb:101

  Scenario: Press log in button # features/home.feature:8
    Given I am on the home page # features/step_definitions/web_steps.rb:13
    When I press "Log in" # features/step_definitions/web_steps.rb:21
    Then I should see "Log in" # features/step_definitions/web_steps.rb:101

  Scenario: Show the join page # features/home.feature:13
    Given I am on the home page # features/step_definitions/web_steps.rb:13
    When I press "Sign up" # features/step_definitions/web_steps.rb:21
    Then I should see "Sign up" # features/step_definitions/web_steps.rb:101

  Scenario: Show the contact page # features/home.feature:18
    Given I am on the home page # features/step_definitions/web_steps.rb:13
    When I press "Contact us!" # features/step_definitions/web_steps.rb:21
    Then I should not see "We cannot help you 😞" # features/step_definitions/web_steps.rb:122

4 scenarios (4 passed)
12 steps (12 passed)
0m0.075s
```

### 3. Loginpage tests:

```
codio@kayak-blast:~/workspace/project$ cucumber features/login.feature
Feature: log in

  Scenario: Correct password entered # features/login.feature:3
    Given I am on the loginpage # features/step_definitions/web_steps.rb:13
    When I fill in "email" with "test@sheffield.ac.uk" # features/step_definitions/web_steps.rb:33
    When I fill in "password" with "test" # features/step_definitions/web_steps.rb:33
    When I press "Submit" within "form" # features/step_definitions/web_steps.rb:21
    Then I should see "Admin system" # features/step_definitions/web_steps.rb:101

  Scenario: Incorrect password entered # features/login.feature:10
    Given I am on the loginpage # features/step_definitions/web_steps.rb:13
    When I fill in "email" with "test@sheffield.ac.uk" # features/step_definitions/web_steps.rb:33
    When I fill in "password" with "NOTCORRECT" # features/step_definitions/web_steps.rb:33
    When I press "Submit" within "form" # features/step_definitions/web_steps.rb:21
    Then I should see "Not authorised" # features/step_definitions/web_steps.rb:101

  Scenario: Incorrect login entered # features/login.feature:17
    Given I am on the loginpage # features/step_definitions/web_steps.rb:13
    When I fill in "email" with "NOTCORRECT" # features/step_definitions/web_steps.rb:33
    When I fill in "password" with "test" # features/step_definitions/web_steps.rb:33
    When I press "Submit" within "form" # features/step_definitions/web_steps.rb:21
    Then I should see "Not authorised" # features/step_definitions/web_steps.rb:101

  Scenario: Incorrect credentials entered # features/login.feature:24
    Given I am on the loginpage # features/step_definitions/web_steps.rb:13
    When I fill in "email" with "NOTCORRECT" # features/step_definitions/web_steps.rb:33
    When I fill in "password" with "NOTCORRECT" # features/step_definitions/web_steps.rb:33
    When I press "Submit" within "form" # features/step_definitions/web_steps.rb:21
    Then I should see "Not authorised" # features/step_definitions/web_steps.rb:101

4 scenarios (4 passed)
20 steps (20 passed)
0m0.200s
```

### 4. Notauthorisedpage tests:

```
codio@kayak-blast:~/workspace/project$ cucumber features/notauthorised.feature
Feature: notauthorised

  Scenario: Working back button # features/notauthorised.feature:3
    Given I am on the notauthorised page # features/step_definitions/web_steps.rb:13
    When I press "Back" # features/step_definitions/web_steps.rb:21
    Then I should see "Sign up" # features/step_definitions/web_steps.rb:101

1 scenario (1 passed)
3 steps (3 passed)
0m0.079s
```



## 5. SignUpPage tests:

```
Scenario: check the join feature no 2 (existing account) #
  Given I am on the join page #
  When I fill in "display_name" with "" #
  When I fill in "first_name" with "twitter" #
  When I fill in "Surname" with "test" #
  When I fill in "email" with "test@test.com" #
  When I fill in "password" with "test" #
  When I press "Join" within "form" #
  Then I should not see "Sorry but it seems that email or Twitter name is incorrect...😞" #

Scenario: check the Twitter handle # features/signup.feature:43
  Given I am on the join page # features/step_definitions/web_st
  When I fill in "display_name" with "" # features/step_definitions/web_st
  When I fill in "first_name" with "twitter" # features/step_definitions/web_st
  When I fill in "Surname" with "test" # features/step_definitions/web_st
  When I fill in "email" with "delete@sheffield.ac.uk" # features/step_definitions/web_st
  When I fill in "password" with "test" # features/step_definitions/web_st
  When I press "Join" within "form" # features/step_definitions/web_st
  Then I should not see "Order your taxi with a tweet." # features/step_definitions/web_st

Scenario: check the First name & Twitter handle # features/signup.feature:53
  Given I am on the join page # features/step_definitions/web_st
  When I fill in "display_name" with "" # features/step_definitions/web_st
  When I fill in "first_name" with "" # features/step_definitions/web_st
  When I fill in "Surname" with "test" # features/step_definitions/web_st
  When I fill in "email" with "delete@sheffield.ac.uk" # features/step_definitions/web_st
  When I fill in "password" with "test" # features/step_definitions/web_st
  When I press "Join" within "form" # features/step_definitions/web_st
  Then I should not see "Order your taxi with a tweet." # features/step_definitions/web_st

Scenario: check the Surname # features/signup.feature:63
  Given I am on the join page # features/step_definitions/web_st
  When I fill in "display_name" with "teitter" # features/step_definitions/web_st
  When I fill in "first_name" with "twitter" # features/step_definitions/web_st
  When I fill in "Surname" with "" # features/step_definitions/web_st
  When I fill in "email" with "delete@sheffield.ac.uk" # features/step_definitions/web_st
  When I fill in "password" with "test" # features/step_definitions/web_st
  When I press "Join" within "form" # features/step_definitions/web_st
  Then I should not see "Order your taxi with a tweet." # features/step_definitions/web_st

Scenario: check the email # features/signup.feature:73
  Given I am on the join page # features/step_definitions/web_st
  When I fill in "display_name" with "" # features/step_definitions/web_st
  When I fill in "first_name" with "twitter" # features/step_definitions/web_st
  When I fill in "Surname" with "test" # features/step_definitions/web_st
  When I fill in "email" with "" # features/step_definitions/web_st
  When I fill in "password" with "test" # features/step_definitions/web_st
  When I press "Join" within "form" # features/step_definitions/web_st
  Then I should not see "Order your taxi with a tweet." # features/step_definitions/web_st

Scenario: User already exists (email) #
  Given I am on the join page #
  When I fill in "display_name" with "test" #
  When I fill in "first_name" with "test" #
  When I fill in "Surname" with "test" #
  When I fill in "email" with "delete@sheffield.ac.uk" #
  When I fill in "password" with "test" #
  Then I should not see "Sorry but it seems that email or Twitter name is incorrect...😞" #
```



## 6. Addcarspage tests:

Feature: Add Cars

```
Scenario: Add standard car in Sheffield # features/Addcars.feature:4
  Given I am on the addcarpage          # features/step_definitions/web_steps.rb:16
  Then I should see "Car types:"        # features/step_definitions/web_steps.rb:168

Scenario: Add standard car in Manchester # features/Addcars.feature:9
  Given I am on the addcarpage          # features/step_definitions/web_steps.rb:16
  Then I should see "Car types:"        # features/step_definitions/web_steps.rb:168
```

```
Scenario: Add car and print the values # features/Addcars.feature:13
  Given I am on the addcarpage          # features/step_definitions/web_steps.rb:16
  When I fill in "Status" with "0"      # features/step_definitions/web_steps.rb:100
  When I fill in "Type" with "0"        # features/step_definitions/web_steps.rb:100
  When I fill in "Seats" with "5"       # features/step_definitions/web_steps.rb:100
  When I fill in "Location" with "sheffiled" # features/step_definitions/web_steps.rb:100
{:CarID=>"1", :Status=>"0", :Type=>"1", :Seats=>"4", :Location=>"Sheffield"}
{:CarID=>"2", :Status=>"0", :Type=>"1", :Seats=>"5", :Location=>"Manchester"}
{:CarID=>"3", :Status=>"0", :Type=>"4", :Seats=>"4", :Location=>"Sheffield"}
{:CarID=>"4", :Status=>"0", :Type=>"4", :Seats=>"6", :Location=>"Sheffield"}
{:CarID=>"5", :Status=>"0", :Type=>"6", :Seats=>"4", :Location=>"Manchester"}
{:CarID=>"6", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"7", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"8", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"9", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"10", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"11", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"12", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"13", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"14", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"15", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"16", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"17", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
  When I press "Submit"                # features/step_definitions/web_steps.rb:88
  Then I should see "Seats"            # features/step_definitions/web_steps.rb:168

3 scenarios (3 passed)
11 steps (11 passed)
0m0.166s
```

## 7. Adminpage tests:

Feature: Admin system

```
Scenario: Logging out from admin page/not correct # features/admin.feature:3
  Given I am on the adminpage                     # features/step_definitions/web_steps.rb:16
  When I press "Log in"                           # features/step_definitions/web_steps.rb:81
  Then I should not see "Order your taxi with a tweet." # features/step_definitions/web_steps.rb:182

Scenario: Moving from login to signup # features/admin.feature:8
  Given I am on the loginpage          # features/step_definitions/web_steps.rb:16
  When I press "signup"                # features/step_definitions/web_steps.rb:81
  Then I should see "Sign up"          # features/step_definitions/web_steps.rb:161

Scenario: Moving from signup to login # features/admin.feature:13
  Given I am on the signuppage        # features/step_definitions/web_steps.rb:16
  When I press "loginbtn"              # features/step_definitions/web_steps.rb:81
  Then I should see "Log in"           # features/step_definitions/web_steps.rb:161

3 scenarios (3 passed)
9 steps (9 passed)
0m0.065s
```

## 8. carspage(viewcars) tests:

```
Feature: Views Cars

{:CarID=>"1", :Status=>"0", :Type=>"1", :Seats=>"4", :Location=>"Sheffield"}
{:CarID=>"2", :Status=>"0", :Type=>"1", :Seats=>"5", :Location=>"Manchester"}
{:CarID=>"3", :Status=>"0", :Type=>"4", :Seats=>"4", :Location=>"Sheffield"}
{:CarID=>"4", :Status=>"0", :Type=>"4", :Seats=>"6", :Location=>"Sheffield"}
{:CarID=>"5", :Status=>"0", :Type=>"6", :Seats=>"4", :Location=>"Manchester"}
{:CarID=>"6", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"7", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"8", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"9", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"10", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"11", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"12", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"13", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"14", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"15", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"16", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"17", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"18", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"19", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"20", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}
{:CarID=>"21", :Status=>"0", :Type=>"0", :Seats=>"5", :Location=>"Sheffiled"}

Scenario: check all of the cars # features/viewcars.feature:4
  Given I am on the carspage # features/step_definitions/web_steps.rb:16
  Then I should see "Seats" # features/step_definitions/web_steps.rb:174
```



[illegible]



