

TEAM REPORT

Iteration 2

Team 07

2019/05/08

Members:

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1.How to run the server

Instructions of Use

Once you've opened a new Codio project, within the terminal, type the following list of commands, pressing enter after each:-

- `git clone git@git.shefcompsci.org.uk:com1001-2018-19/team07/project.git`
 - Clones in the git repository into the Codio box
- `bundle install`
 - Installs required gems
- `cd project`
 - Navigates the command line to the project directory
- `ruby head_controller.rb`
 - Runs the main ruby controller

Within the terminal, in the first section to be displayed, you should see 'Your Codio box domain is: "{word1}-{word2}.codio.io"'. Enter this, in the form "{word1}-{word2}-4567.codio.io", into the URL bar of another tab, and you will be brought to the homepage.

To login as a user, click the Login button, in the top right, and enter:

- Email: test@gmail.com
- Password: test

To login as a top admin, use:

- Email: admin@gmail.com
- Password: admin123

Or login as an area admin, this account being for Manchester, use:

- Email: manadmin@gmail.com
- Password: man123

Users can update their details and view ride history within the Account Info page.

To access the Admin Page, click the Administrator button in the top right.

View Tweets table, each tweet has a menu of 4 options:

1. Reply adds the required information into the second box down, middle column, where you can respond to tweets.
2. Book autofill's the username into the booking form, for the admin to finish the required information to create a booking. Then use the button within a booked taxi to autofill the form to finish a booking.
3. Warn and Ban will display a form in the area of the Reply box, which allows the admin to authorize a warning on the account, and returns the new count, before then authorizing a ban. Banned accounts are filtered from the Search table.

Giveaway Section, takes the competition phrase from the box, takes the last 50 instances and returns a random winner in a Sinatra Flash.

The Database Updates page is accessible by all admins, but only super admin has full access, to directly update the database from in-browser.

2. Story Cards

Story cards were split up into three priority levels: MUST, SHOULD and COULD in descending priority. Edits made during the first iteration and further comments are denoted below in red. Edits made during this iteration are denoted below in blue.

MUST STORY CARDS	Verification	Finished?	Done by
As a customer, I can access a webpage with the details of the company to view what types of taxis are available e.g. minibus, standard etc.	Verify you can access the webpage and see what all the information is Verify that this information is automatically updated.	Yes by first Iteration	Joe Worley Callum Bailey
As a customer, I can create an account on the website, containing my Twitter handle and a personal password. Email also required. As an extra level of security to accounts such as twitter being hacked, can use email to go and update new twitter or vice versa	Verify your account is added to the database, check if the Handle is valid, + set password rules. Then create an account you can login later on.	Yes by first Iteration	Joe Worley Callum Bailey
As a customer I can update my details via the website e.g. Twitter handle, email address, name and password Don't require name, extra information to store that isn't really necessary	Verify the new details are valid and then updated in the database, Check the new email is valid, new password follows rules	Yes by first Iteration	Joe Worley Callum Bailey
As a customer, I can view my previous rides, details and the costs via a section on the website	Verify the details of the previous ride are shown in a chronological, easily readable way	Yes by second Iteration	Joe Worley Callum Bailey

MUST STORY CARDS	Verification	Finished?	Done by
<p>As an admin, I can access a database on the back end which contains tables for cars, customer accounts, admin accounts, current journeys, previous journeys and misused accounts.</p> <p>Current journeys and previous journeys all stored in one table, distinguished by the incomplete information of current rides vs full information of past rides</p>	<p>Verify there is a fully normalised database containing the correct relationships and no repeat data, verify admin queries are correctly linked to the database to allow reliable data transfer</p>	<p>Yes by first Iteration</p>	<p>Joe Worley Callum Bailey</p>
<p>As an admin, I can view which cars are available at any given time, then change these around as required</p>	<p>Verify the details (status) of cars can be viewed only by an admin, and any changes/new cars are correctly communicated into the database and stored</p>	<p>Yes by first Iteration</p>	<p>Joe Worley Callum Bailey</p>
<p>As an admin, I will have my own account for the website, allowing me to access the taxi booking form and access customer details</p> <p>My account will only let me access the form and details associated with my respective area, Either Sheffield or Manchester</p>	<p>Verify admin accounts are correctly created and stored, and they have the correct permissions to view the right areas of the website</p>	<p>Yes by first Iteration</p>	<p>Joe Worley Callum Bailey</p>
<p>As an admin, I can view any incoming tweets and book the taxi accordingly</p> <p>I will only see the tweets associated with my area. Either Sheffield or Manchester</p>	<p>Verify if an Admin can access the embedded twitter page</p> <p>Verify that tweets are split, for Manchester and Sheffield branches, and that only admins allocated to certain areas may see their respective tweets.</p>	<p>Yes by first Iteration</p>	<p>Joe Worley Callum Bailey</p>
<p>As a customer, I can send a tweet to the taxi company, containing the taxi type, locations of journey start and end, and any other specific details that may be necessary</p>	<p>Verify tweet appears in the feed</p>	<p>Yes by first Iteration</p>	<p>Joe Worley Callum Bailey</p>

MUST STORY CARDS	Verification	Finished?	Done by
As a customer, I can cancel a taxi via a tweet, allowing the admin to free up the currently allocated vehicle	Verify the created journey is cancelled and the related taxi is made available, details should be discarded for cancellations	Yes by second Iteration	Joe Worley Callum Bailey
As an admin, I can reply to tweets to learn any further details that may be required, such as estimated time, or a more in-depth location	Verify response tweets are correctly sent to users where required	Yes by first Iteration	Joe Worley Callum Bailey
As an admin, once I have booked a journey, I can respond to the customer, with confirmation details and the reg number of the allocated taxi	Verify the customer knows the details of the booking from the Admin	Yes by first Iteration	Joe Worley Callum Bailey

SHOULD STORY CARDS	Verification	Finished?	Done by
As a customer, I can view instructions of how to use the system, like how to structure a tweet and what information is necessary	Verify the customer knows the details of the booking from the Admin	Yes by first Iteration	Maxime Fontana Jooho Lee Joshua Robert Junfan Chen
As a customer, I can view other details about the service in the website, like rewards or benefits of an account.	Verify the website contains the list of benefits/rewards, and these are correctly updated as an admin changes them.	Yes by first Iteration	Maxime Fontana Jooho Lee Joshua Robert Junfan Chen
As an admin, I can view previous ride details, like the start/finish locations, taxi type and the final cost	Verify he can access the table in the database and check if all the information is stored accordingly.	Yes by second Iteration	Joe Worley
As an admin, I can delete irrelevant tweets as they are received	Verify tweet is removed when deleted by the admin.		

SHOULD STORY CARDS	Verification	Finished?	Done by
As an admin, I can receive the final price of the ride and add this to the journey when it is archived.	*Verify if an admin can add this price. *Verify if the final price is stored in the database.	Yes by second Iteration	Callum Bailey
As an admin, I can maintain the database with a variety of options, such as adding/removing cars, unbanning users etc.	*Verify queries are run correctly by checking the database	Yes by second Iteration	Joe Worley Callum Bailey
As an admin, I can update my own details as and when required	*verify the queries run correctly by checking database	Yes by second Iteration	Joe Worley Callum Bailey

COULD STORY CARDS	VERIFICATION	Finished?	Done by
As an admin, I can use the Twitter account to tweet publicly about any offers or giveaways available	Verify the admin can access the Twitter account of the company, and verify the tweets are sent.	No by first Iteration	
As an admin, I can get all users who have responded to a giveaway and use a system to randomly pick a winner.	Verify all replies are stored. *Verify the generated random number for the winner.	Yes by second Iteration	Callum Bailey
As an admin, I can apply temporary or permanent bans to Twitter accounts with multiple counts of misuse. Only “permanent” bans will be assigned, but there will be an option to unban users if required	*Verify these bans are tracked for temporary and are marked permanent when persistent misuse occurs. *Ensure the banned users are correctly filtered from the live tweet feed viewed by the admin.	No by first Iteration	

COULD STORY CARDS	VERIFICATION	Finished?	Done by
As an admin, I can mark Twitter accounts misusing the twitter system to a table.	Verify the twitter handle is added to the database table.	No by first Iteration	
<p>As a customer, I can view any special promotions available to my account, such as 10th ride free, or any discounts for certain periods of time.</p> <p>As a customer I can view when I may be eligible for a free ride (every 10)</p> <p>As a customer I can see public tweets from the company regarding offers, discounts, etc.</p> <p>Split to be more precise. The only one specific to being logged in is the free ride, all the rest are publicly shown via twitter</p>	*Verify, once a user reaches a 10th ride, the correct offer is displayed in its own unique location.	No by first Iteration	
A super admin account can be used to add/remove admins as and when staff changes occur	<p>*Verify only the super admin has access/permission to do this</p> <p>*verify queries run by checking database</p>	<p>New addition in first iteration</p> <p>Yes by second Iteration</p>	Joe Worley Callum Bailey
As a user I can fill out a contact form to ask any questions or alert admins to issues	*verify email sends containing the required information	Yes by first Iteration	Maxime Fontana

3. Burndown Chart

Table 1: Burndown chart for iteration 1

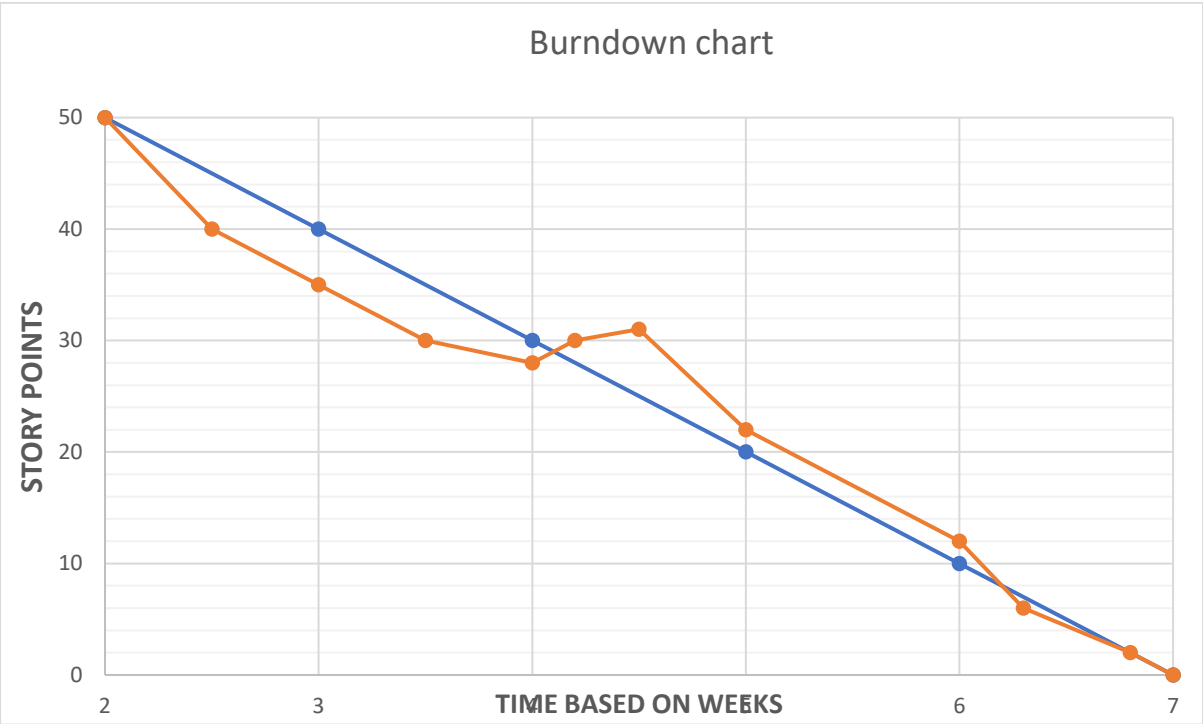
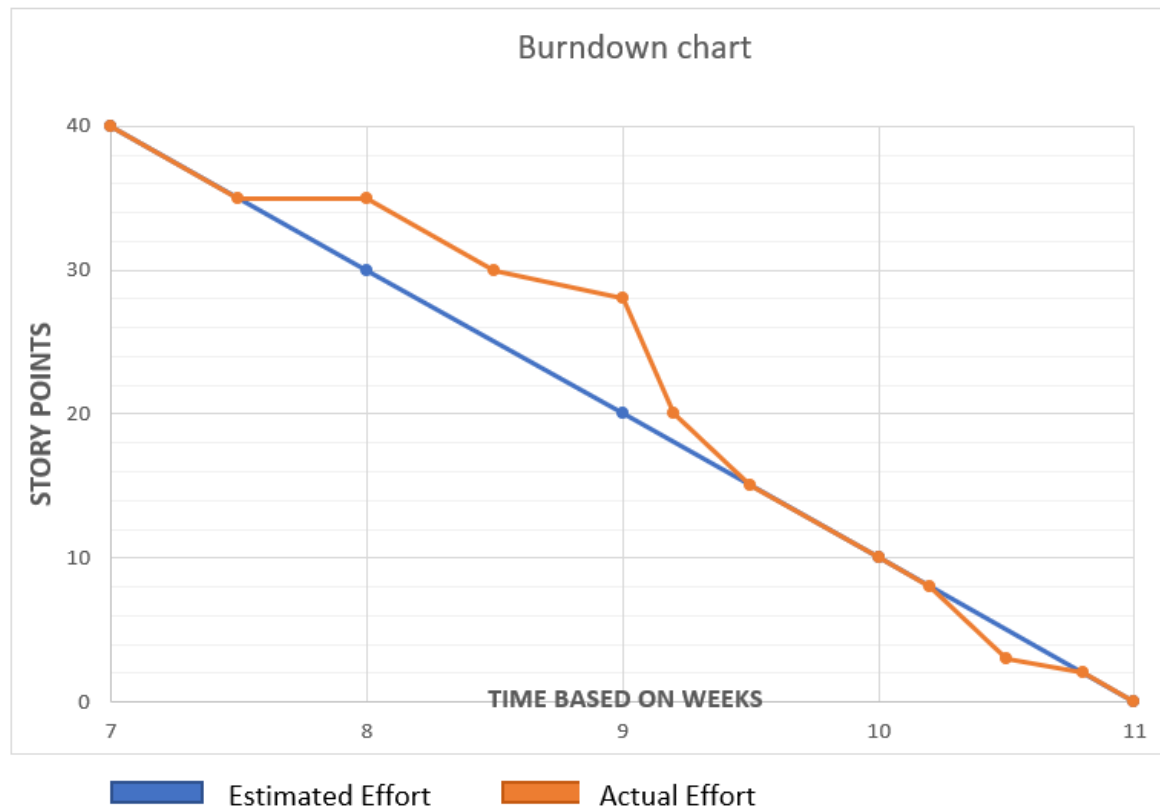


Table 2: Burndown chart for iteration 2

SECOND ITERATION BURNDOWN CHART



4. Testing

1) Testing the header and its links

```

Feature: Header

  #Different nav buttons (accountInfo) after login
  Scenario: Header of Homepage after Login
    Given I am on the login page
    When I fill in "useremail" with "test10@qq.com"
    When I fill in "password" with "123123"
    When I press "Login" within "form"
    Then I should see "Home"
    Then I should see "Account Info"
    Then I should see "Contact Us"

  #Account Home button
  Scenario: Home link from any other page
    Given I am on the home page
    When I follow "Contact Us"
    When I follow "Home"
    Then I should see "Booking Instructions"
  
```

```

#Account Info button
Scenario: Link from Homepage to account information # f
  Given I am on the login page # f
  When I fill in "useremail" with "test10@qq.com" # f
  When I fill in "password" with "123123" # f
  When I press "Login" within "form" # f
  When I follow "Account Info" # f
  Then the "email" field within "form" should contain "test10@qq.com" # f
  Then the "password" field within "form" should contain "123123" # f

```

```

#Log Out button
Scenario: Log out link on header after logging in # f
  Given I am on the login page # f
  When I fill in "useremail" with "test10@qq.com" # f
  When I fill in "password" with "123123" # f
  When I press "Login" within "form" # f
  When I follow "Log Out" # f
  Then I should see "Login" # f

```

```

#Login button
Scenario: Login link on Header # features/header.fea
  Given I am on the home page # features/step_defin
  When I follow "Login" # features/step_defin
  Then I should see "Login" # features/step_defin

```

```

#Contact us button
Scenario: Contact Us link on Header # features/header
  Given I am on the home page # features/step_c
  When I follow "Contact Us" # features/step_c
  Then I should see "Help us" # features/step_c

```

```

6 scenarios (6 passed)
30 steps (30 passed)
0m0.156s

```

All links in the header work and are context sensitive, as only logged in users will see the "Log Out" button and vice versa.

2)Testing the login page and its functions

Feature: Login

```
Scenario: correct login userDetails # features/login.feature:
  Given I am on the login page # features/step_definitio
  When I fill in "useremail" with "test10@qq.com" # features/step_definitio
  When I fill in "password" with "123123" # features/step_definitio
  When I press "Login" within "form" # features/step_definitio
  Then I should see "You are logged in" # features/step_definitio

Scenario: correct login userDetails # features/login.feature:
  Given I am on the login page # features/step_definitio
  When I fill in "useremail" with "test10@qq.com" # features/step_definitio
  When I fill in "password" with "123123" # features/step_definitio
  When I press "Login" within "form" # features/step_definitio
  Then I should not be on the login page # features/step_definitio

Scenario: incorrect login userDetails # features
  Given I am on the login page # features
  When I fill in "useremail" with "nonsense" # features
  When I fill in "password" with "wrong password" # features
  When I press "Login" within "form" # features
  Then I should be on the login page # features
  Then I should see "Wrong email or password, please try again." # features

Scenario: Correct email, but wrong password # features
  Given I am on the login page # features
  When I fill in "useremail" with "test10@qq.com" # features
  When I fill in "password" with "wrong password" # features
```

```
  When I press "Login" within "form"
  Then I should see "Wrong email or password, please try again."
```

```
Scenario: Trying to access login page while already logged in # t
  Given I am on the login page # t
  When I fill in "useremail" with "test10@qq.com" # t
  When I fill in "password" with "123123" # t
  When I press "Login" within "form" # t
  Given I am on the home page # t
  When I go to the login page # t
  Then I should be on the home page # t
```

```
Scenario: Go to homepage without account # features/login.feature
  Given I am on the login page # features/step_definitio
  When I follow "Home without Login" # features/step_definitio
  Then I should be on the home page # features/step_definitio
```

```
Scenario: Go to the register page # features/login.feature:
  Given I am on the login page # features/step_definitio
  When I follow "Register" # features/step_definitio
  Then I should be on the register page # features/step_definitio
```

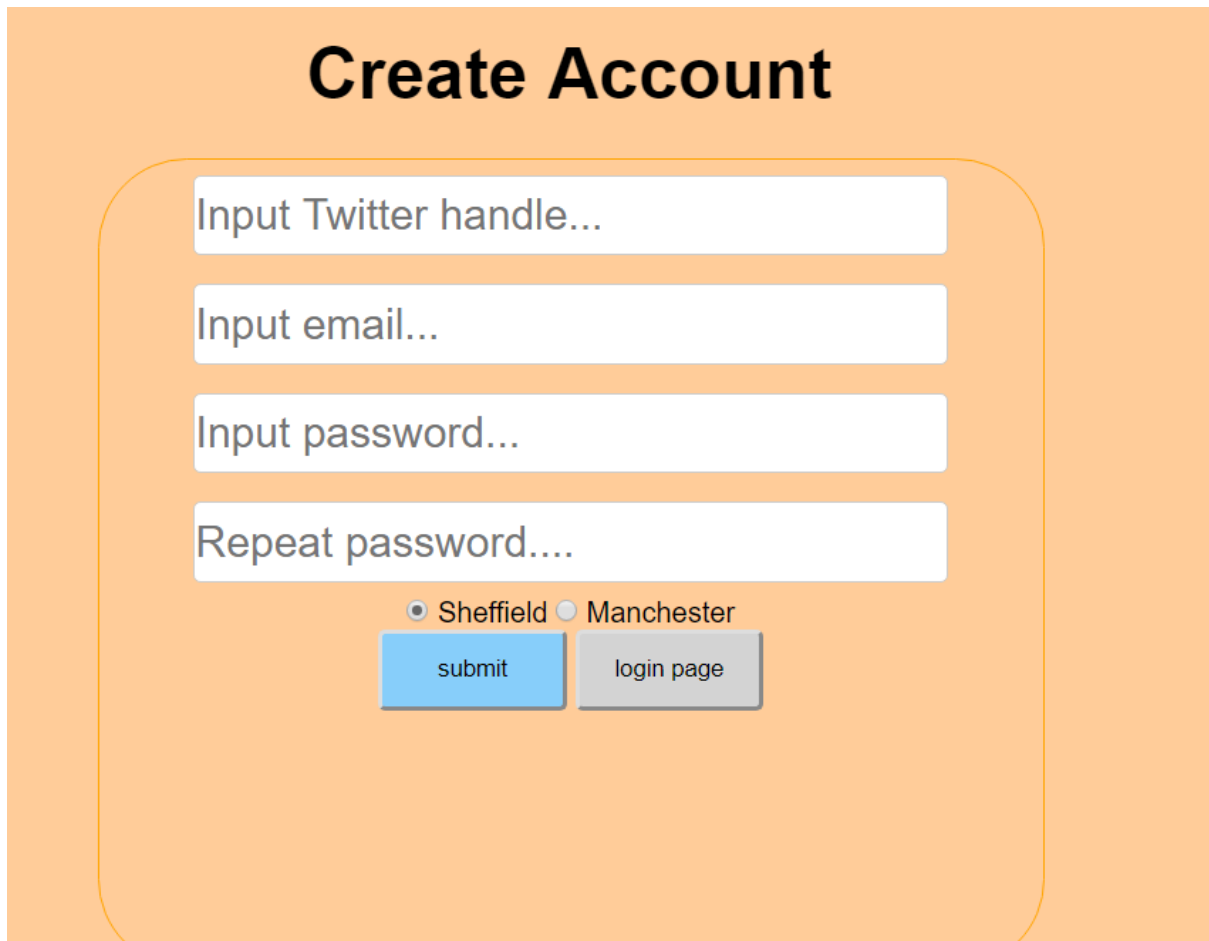
7 scenarios (7 passed)

34 steps (34 passed)

0m0.135s

All tests passed without problems. In particular the bug with cucumber that didn't show the "Register" and "Home without Login" buttons were fixed, and the tests show up without problems.

3)Testing registration

A screenshot of a 'Create Account' form. The form is centered on an orange background. It features four white input fields with orange borders, stacked vertically. The labels for the fields are 'Input Twitter handle...', 'Input email...', 'Input password...', and 'Repeat password....'. Below the input fields are two radio buttons: 'Sheffield' (selected) and 'Manchester'. At the bottom are two buttons: a blue 'submit' button and a grey 'login page' button.

Create Account

☒ Sheffield ☐ Manchester

On Fields filled and submitted:

Create Account

☐ Sheffield ☒ Manchester

Goes to home page.

When the supplied information is entered into the login screen:

The account successfully logs in. (Shown below in the account details screen)

Twitter Handle:

user31

Password:

abcde

Email:

user31@gmail.com

Edit

4)Automated Test Coverage

All Files (51.54%)Generated less than a minute ago

All Files (51.54% covered at 3.14 hits/line)

5 files in total. 293 relevant lines. 161 lines covered and 142 lines missed

Search:

File	% covered	Lines	Relevant Lines	Lines covered	Lines missed	Avg. Hits / Line
admin.rb	24.11 %	153	112	27	85	0.8
admin_2.rb	27.59 %	88	58	16	42	0.3
error_handling.rb	83.33 %	10	6	5	1	0.8
account.rb	83.75 %	118	80	67	13	4.6
head_controller.rb	97.3 %	66	37	36	1	11.9

Showing 1 to 5 of 5 entries

The admin functions could not be tested effectively with cucumber, but all three other .rb files were tested thoroughly.