Report
First Iteration

GROUP 16

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Contents

1. <u>Overview</u>

   "*Sign Off Pizza is an innovative pizza company, bringing you the slices you love through the platforms you love. Incorporating Twitter as an essential element of their ordering system, Sign Off Pizza aims to bring tech-savvy people together around a pizza Capricciosa or their very special pizza Laguna.*

   Order now and get 10% off your first purchase!"

   This document discusses in detail the use and implementation of the Sign Off Pizza app, with two sections covering its user stories (updated set and completed ones), the contributions made by the members of team 16 in its development, as well as the thorough testing it has been subjected to. Team Communication and Cooperation is also discussed.

2.   Running and Accessing the System

This section covers the commands needed for using the "Sign Off Pizza" app, as well as all data necessary for accessing user, admin and staff areas.

2.1   Commands needed to start the system

1.   Create a clone of the repository by opening the terminal window in codio and typing "git clone https://github.com/COM1001/team-16".
2.   Once the above has finished, you need to browse to the "team-16" directory by typing **cd team-16** in the terminal window.
3.   Install all of the gems required to run the system by typing **bundle install** in the console. The installation process may take a few seconds.
4.   To run the web application, type **ruby app.rb** in the terminal window.
5.   Open a new browser window and using your individual Codio terminal box domain, open the web app using this domain and the port number assigned to you, following this format:
        http://DOMAIN_NAME.codio.io:PORT_NUMBER/
It should look something like:
        http://pinball-farmer.codio.io:4567/
where the port number is placed after the semicolon.

2.2   Usernames and passwords

The following usernames and passwords can be used to access different areas of the website[1].

Type of Account	Username	Password
Customer Area	Leon	password
Orders Area (staff)	orders	orders
Marketing Area (staff)	marketing	marketing
Admin Area (staff)	admin1	admin1

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[1] Note: the admin account can also access the marketing and orders areas of the website

3.   <u>User Stories (Updated)</u>

Following feedback, user stories written in the Autumn Semester have been modified or deleted altogether. The following user stories are split into sections, each with its own types of users. Each user story is paired with a number of detailed acceptance criteria. The estimated difficulty ranges from 1 to 16, in multiples of 2, and the priority ranks are "low", "medium" and "high".

Changes as a result of Autumn Semester feedback are <mark>highlighted in green</mark>, explanations are provided where necessary, and removed content is shown with strikethrough.

3.1. Business Details

- As the **admin**, I want an appropriate name for the business, so that it is easily recognizable and searchable.
  - When I Google the name of the business, I want to find it on the first page of the search results.
  - It must not have the same name as any other (popular) existing companies.

  HIGH PRIORITY
  ESTIMATED DIFFICULTY: 2

- As the **admin**, I want an appropriate business identity/logo for the business, so that it is also easily recognizable amongst our customers.
  - When I visit the website, I want it to be clear that the logo is associated with our business.
  - The logo must be appropriate for both web and print.
  - The logo must not be similar to any other existing logos, for copyright reasons.

  HIGH PRIORITY
  ESTIMATED DIFFICULTY: 2

- As the **admin**, I want the menu to contain a wide variety of pizza varieties, so that most client preferences will be covered
  - The menu should be displayed clearly and attractively
  - The prices should be reasonably low, to accommodate students and low-income customers.

  MEDIUM PRIORITY
  ESTIMATED DIFFICULTY: 2

3.2. Website Features/Design

- As a **customer**, I want a mobile-first approach to the website, so that I can easily view it using any device and make an order on the go.
    - o The website should first be created for a mobile view and then scaled up to a desktop view.
    - o It must not require an additional app, everything will be done via the website and Twitter.

HIGH PRIORITY
ESTIMATED DIFFICULTY: 4

- As the **admin**, I want a minimalistic website design, so that it is easy to use by our customers.
    - o The website must have clear features that are easy to use and are not obstructed by over-the-top designs.
    - o The website must be ~~intuitive~~ formatted in a manner that is easy for a user to interact with
    - o The design needs to be optimized to reduce loading speeds.
    - o The website needs to be compatible with all types of web-browsers.

EXPLANATION: criteria altered as a result of the word "intuitive" being ambiguous and potentially confusing

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 4

- As the **admin**, I want a design that does not have any pop-ups, so that our users do not have an uncomfortable experience using our site
    - o There should be no ads on the website that are going to decrease the value of the customer's experience.
    - o There should be no pop-up alerts of any kind.

LOW PRIORITY
ESTIMATED DIFFICULTY: 1

- As the **admin**, I want to have a separate section for customers and staff accessed via a login area, so that work can be efficient and people only work on their respective branch.
    - o Each user account must be assigned a unique value to differentiate between whether it is eligible for staff privileges or not
    - o Those without such privileges must not access any other private sections of the website

HIGH PRIORITY
ESTIMATED DIFFICULTY: 8

- As a **staff member responsible with orders**, I would like to be able to be able to manage the orders of our customers, so that our business can operate efficiently.
  - All orders shall be assigned automatically a unique order number.
  - All orders must be easy to search, find and track
  - All orders have to be viewed in a special window, making their managements easy and intuitive

HIGH PRIORITY
ESTIMATED DIFFICULTY: 8

3.3. Customer Accounts

- As a **customer**, I must be able to make an account on the website of the company, so I can then make an order
  - I must easily login and logout
  - I must enter a valid address

HIGH PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **customer**, I must be able to connect my Twitter account to my website account, so that I can place orders
  - I must have both a website account and a twitter account to make an order.
  - The process should be easy and intuitive

HIGH PRIORITY
ESTIMATED DIFFICULTY: 8

- As a **customer**, I would like to be able to check if I am eligible for delivery, so that I can order pizza to my address
  - I must receive an instant notification when I type in my address and click a **submit** button to see if my address is eligible for delivery

LOW PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **customer**, I must be able to update my contact details, so that the business will be able to order pizza to my changed address
  - It must be easy to update my details
  - I must be notified if I enter details in an incorrect format

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 8

- As a **customer**, I would like to be notified via Twitter when I place an order, so that I will know if my order has been received
  - If my order was incorrectly entered, I want to be notified, so I can alter or cancel it.
  - If I want to cancel an order, I must phone the company and discuss the possibilities with them.

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 8

3.4. Staff accounts

- As the **admin**, I must be have access to the features available to all staff accounts, so that I can easily check that everything is going according to plan.
  - I should be able to do anything on the website with unrestricted access

HIGH PRIORITY
ESTIMATED DIFFICULTY: 2

- As the **admin**, I would like to be able to change the menu on the website, so that we can experiment with new foods
  - The menu can also have side dishes(i.e. chips) besides pizzas
  - When I change parts of the menu, I do not want customers to be made aware of it

LOW PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **staff member responsible with orders**, I must have a specific account that is capable of managing orders placed by our customers, so that the business flow is never interrupted
  - This area of the website needs to be simple and responsive to allow for instant updates of orders as they are placed
  - I must not be able to access any other website features, other than Order Management

HIGH PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **staff member responsible with marketing**, I must have a specific account that is capable of accessing the marketing features associated with the business so that we can run periodic marketing campaigns
  - I must be able to implement twitter based competitions such '1st retweet gets a free pizza', so that we can increase our twitter following and hence our customer base.

o   I would also like to periodically tweet our followers about offers and discounts so that we can increase our customer following.

o   I must not be able to access any other website features, other than Marketing Management

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 4

3.5. Twitter integration with the website

- As the **admin**, I would like our twitter account to automatically follow people who mention #pizza, so that we can effectively advertise our business.
  - o   All pizza companies in the area should be followed
  - o   All people retweeting pizza-related tweets (i.e. containing #pizza) should be followed

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 8

- As the **admin,** I would like the Twitter account to automatically unfollow any customers who have not ordered pizza in a while, so that only constant clients receive exclusive offers.
  - o   If a person has not ordered a pizza ~~been inactive~~ for more than 6 months, unfollow them.

EXPLANATION: criteria changed to provide more clarity
LOW PRIORITY
ESTIMATED DIFFICULTY: 8

- ~~As a **customer**, I must be able to easily order on the website, so that I can get my pizza as fast as possible~~
  - ~~o   The tweet should be formed automatically when I enter my order~~

EXPLANATION: Ambiguous redundant user story

~~HIGH PRIORITY~~

~~ESTIMATED DIFFICULTY: 4~~

- As a **customer**, I want to be able to make one-click purchases of pizzas to speed up the order process.
  - o   There must be a website design that allows me to click on an image of a pizza and then make an automatic order tweet
  - o   I must be able to specify/modify whether or not I want one-click purchases
  - o   If I want, I must be able to receive a notification whenever I am about to make a one-click purchase
  - o   The tweet should be formed automatically when I enter my order

EXPLANATION: acceptance criteria from the redundant user story above has been put here since a one click purchase ensures a customer can easily order
LOW PRIORITY
ESTIMATED DIFFICULTY: 8

- As a **customer**, I must be able to use Twitter hashtags, so that I can specify whether I would like to have my order as a collection or as a delivery order
  - The possible hashtags will be #collect and #deliver
  - I should specify in my account details what my default order-collection preference is, so that the hashtag is automatically added
  - I should be able to modify the tweet if I want delivery instead of collection.

HIGH PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **staff member responsible with orders**, I would like all tweets to follow a standard pattern, so that they are easy to track and process.
  - The general format should be "#deliver/#collect #pizza_name #size for @user_name"
  - If a user wants different kinds of pizza, he will tweet multiple orders
  - If a user wants more pizza of the same type, the tweet will contain the number. Ex: #deliver/#collect 10 #pizza_name #size for @user_name
  - By adding the @user_name, the system should automatically connect to the website account and find the user's address.

HIGH PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **staff member responsible with orders**, I would like all pizza names to be shortened, so that each tweet will not go over 140 characters
  - The abbreviation should still be legible and understandable. For example, a pizza Margherita could be shortened to #MARG
  - The ordering system should automatically process the abbreviation and display it in its full form.

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 4

- As a **staff member responsible with orders**, I must be able to send a confirmation tweet to any verified order, so that the customer knows their order has been received
  - When I view an order, there must be a button on the website that I can click to send an automatic confirmation tweet to the twitter account that placed the order.

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 4

- **As a staff member responsible with orders**, I must be able to send a tweet to any invalid order, so that the customer knows their order order has been entered in an incorrect format/lacks important information
  - If an order doesn't contain any of the necessary hashtags, a tweet shall be automatically sent to the user making the order.
  - When I view an order, there must be a button on the website that I can click to send an "Incorrect Order" tweet to the twitter account that placed the order.

LOW PRIORITY
ESTIMATED DIFFICULTY: 4

3.6. Marketing

- **As a staff member responsible with marketing**, I want to be able to send tweets to all users, containing special offers
  - I should be able to easily conceive interesting tweets with fun offers
  - I should be able to send this tweet to all valid Twitter accounts

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 2

- **As a staff member responsible with marketing**, I want to be able to create Twitter marketing events, i.e. first retweet gets a free pizza.
  - I should be able to track the first person to retweet
  - The event must not be stopped after the first retweet, to keep the campaign open and thus have more visibility

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 2

3.7. Business statistics

- As the **admin**, I would like to be able to access a feature on the website that tells me daily, monthly and yearly statistics about our twitter following and customer accounts, so that we can deduce whether we need to implement more marketing solutions.
  - These statistics must be easy to understand
  - These statistics must displayed graphically
  - The graphics should tell us
    - How many followers
    - How many unfollows

- How many users
- How many active users
- How many retweets on Twitter marketing events

MEDIUM PRIORITY
ESTIMATED DIFFICULTY: 16

4.   <u>User Stories (Completed)</u>

The client repeatedly stated that having a working website is their priority, thus all attention was turned towards creating a simple efficient ordering system, behind a beautiful interface.

Here are all tackled user stories, followed by the number of their respective section.

- As the **admin**, I want an appropriate name for the business, so that it is easily recognizable and searchable. (**2.1.**)
- As the **admin**, I would like an appropriate business identity/logo for the business, so that it is also easily recognizable amongst our customers. (**2.1.**)
- As the **admin**, I want the menu to contain a wide variety of pizza varieties, so that most client preferences will be covered (**2.1.**)
- As the **admin** I want a minimalistic website design so that it is easy to use for our customers (**2.2.**)
- As the **admin** I want a design that does not have any pop-ups so that our users do not have an uncomfortable experience using our site (**2.2.**)
- As the **admin,** I would like to have a separate section for customers and staff accessed via a login area, so that work can be efficient and people only work on their respective branch. (**2.2.**)
- As a **customer**, I would like a mobile-first approach to the website, so that I can easily view it using any device and make an order on the **go (2.2.)**
- As a **staff member responsible with orders**, I would like to be able to be able to manage the orders of our customers, so that our business can operate efficiently. (**2.2.**)
- As a **customer**, I must be able to make an account on the website of the company, so I can then make an order (**2.3.**)
- As a **customer**, I must be able to update my contact details so that the business will be able to order pizza to my changed address (**2.3.**)
- As a **customer**, I must be able to connect to the website using my Twitter account, so that I can place orders fast and easy (**2.3.**)
- As the **admin**, I must be have access to all the features available to all staff accounts (**2.4.**)
- As a **staff member responsible with orders,** I must have a specific account that is capable of managing orders placed by our customers (**2.4.**)
- As a **staff member responsible with marketing**, I must have a specific account that is capable of accessing the marketing features associated with the business so that we can run periodic marketing campaigns (**2.4.**)
- As a **customer**, I must be able to use Twitter #handlers, so that I can specify whether I would like to have my order as a collection or as a delivery order (**2.5.**)
- As a **customer**, I want to be able to make one-click purchases of pizzas to speed up the order process. (**2.5.**)
- As a **customer**, I must be able to use Twitter hashtags, so that I can specify whether I would like to have my order as a collection or as a delivery order (**2.5.**)
- As a **staff member responsible with orders**, I would like all tweets to follow a standard pattern, so that they are easy to track and process. (**2.5.**)

- As a **staff member responsible with orders**, I would like all pizza names to be shortened, so that each tweet will not go over 140 characters **(2.5.)**

5.   <u>GitHub Contributions[2]</u>

Feb 5, 2017 – Mar 19, 2017

Contributions to master, excluding merge commits

Contributions: Commits

LeonSingleton #1
30 commits / 12,412 ++ / 2,745 --

SophieProud #2
12 commits / 14,853 ++ / 7,306 --

smmspiers #3
11 commits / 885 ++ / 529 --

aca16ckc #4
3 commits / 589 ++ / 72 --

raulmihai #5
1 commit / 66 ++ / 0 --

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[2] SophieProud is the username of Ruxandra Maria Mindru

6. <u>Burndown Chart – First Iteration</u>

Below are all completed user stories, ordered by their completion date, with difficulty points added.

User Stories	Points	Completion Date
As the admin, I want an appropriate name for the business, so that it is easily recognizable and searchable.	2	18/02/17
As the admin, I want an appropriate business identity/logo for the business, so that it is also easily recognizable amongst our customers.	2	27/02/17
As a customer, I want a mobile-first approach to the website, so that I can easily view it using any device and make an order on the go.	4	27/02/2017
As the admin, I want a design that does not have any pop-ups, so that our users do not have an uncomfortable experience using our site	1	27/02/2017
As a customer, I must be able to make an account on the website of the company, so I can then make an order	4	05/03/2017
As the admin, I want a minimalistic website design, so that it is easy to use by our customers.	4	08/03/2017
As a customer, I must be able to login.	16	08/03/17
As a customer, I must be able to connect my Twitter account to my website account, so that I can place orders	8	08/03/2017
As a customer, I must be able to update my contact details, so that the business will be able to order pizza to my changed address	8	10/03/17
As the admin, I want to have a separate section for customers and staff accessed via a login area, so that work can be efficient and people only work on their respective branch.	8	12/03/17
As the admin, I must be have access to the features available to all staff accounts, so that I can easily check that everything is going according to plan.	2	12/03/17
As a staff member responsible with orders, I must have a specific account that is capable of managing orders placed by our customers, so that the business flow is never interrupted	4	12/03/17
As a staff member responsible with marketing, I must have a specific account that is capable of accessing the marketing features associated with the business so that we can run	4	12/03/17
As a customer, I want to be able to make one-click purchases of pizzas to speed up the order process.	8	12/03/2017

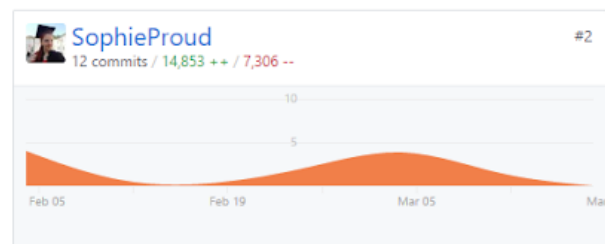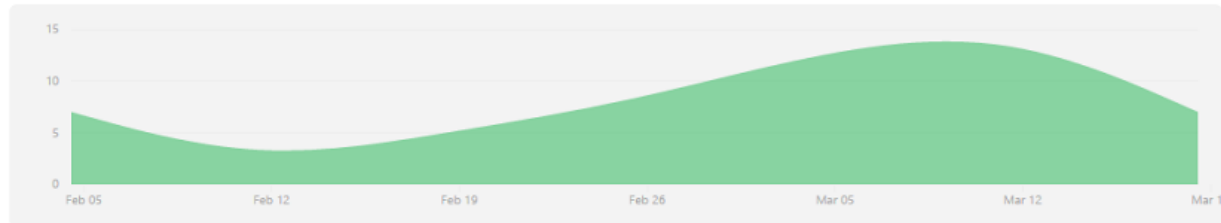|		
As a customer, I must be able to use Twitter hashtags, so that I can specify whether I would like to have my order as a collection or as a delivery order	4	12/03/2017
As a staff member responsible with orders, I would like all tweets to follow a standard pattern, so that they are easy to track and process.	4	12/03/2017
As a staff member responsible with orders, I would like all pizza names to be shortened, so that each tweet will not go over 140 characters	4	12/03/2017
As the admin, I want the menu to contain a wide variety of pizza varieties, so that most client preferences will be covered	2	15/03/17
As a staff member responsible with orders, I would like to be able to be able to manage the orders of our customers, so that our business can operate efficiently.	4	17/03/17

Thus, the burndown chart reveals the progress of work, as user stories were being completed.
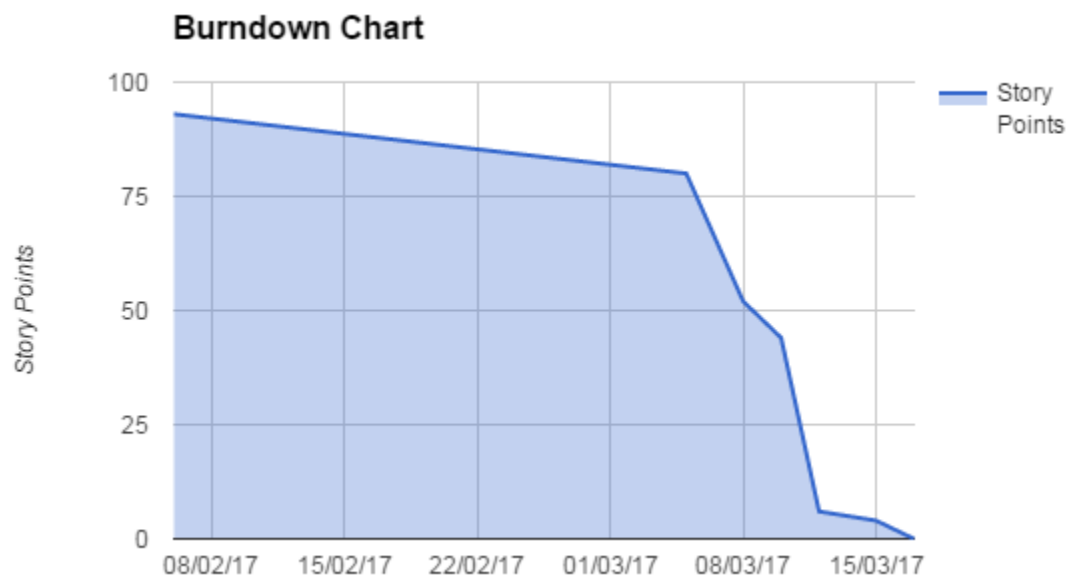
Also in terms of number of user stories completed, the slope became steep in March, as the information necessary for tackling the hardest user stories (login, order management, Twitter, testing) became available.

Burndown Chart - First Iteration
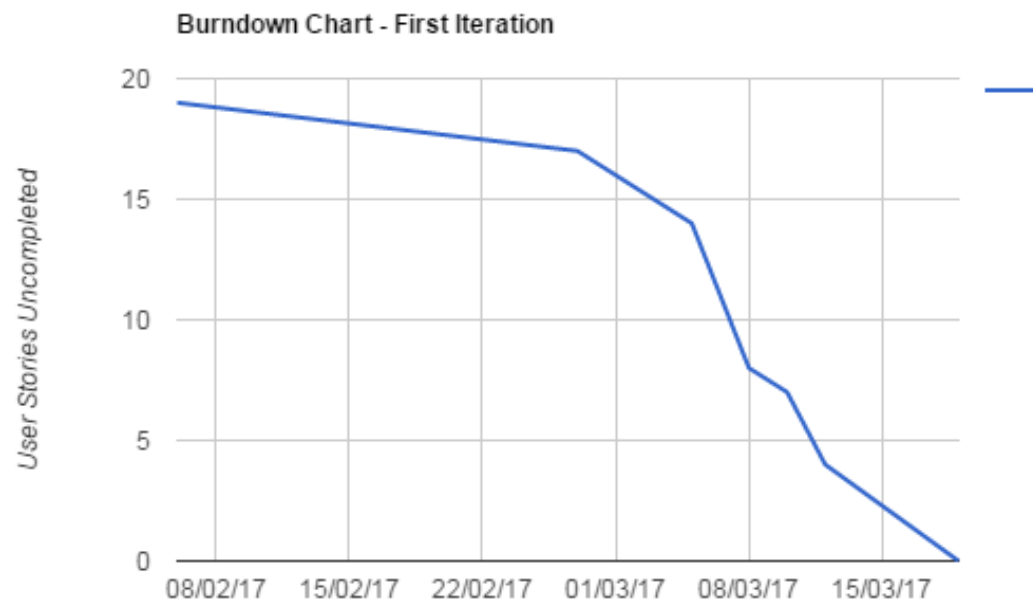
7. Team Communication and Coordination

Slack and Facebook were the main means of communication, with references to the shared Google Drive and GitHub repository.

	C	D	E	F	G	
1		**Business Details**	**Iteration**	**Person Responsible**	**Completion Date**	
2		want an appropriate name for the business, so that it is easily recognisable and searchable.	1 week		18/02/17	
3		want an appropriate business identity/logo for the business, so that it is also easily recognisable amongst our customers.	1 week		27/02/17	
4		want the menu to contain a wide variety of pizza varieties, so that most client preferences will be covered	1 week	SOPHIE	15/03/17	
5						
6		**Website Features/Design**				
7		I want a mobile-first approach to the website, so that I can easily view it using any device and make an order on the go.	1-2 weeks	**REQUIRES TESTING AS WEBSITE EVOLVES**		
8		want a minimalistic website design, so that it is easy to use by our customers.			27/02/2017	
9		want a design that does not have any pop-ups, so that our users do not have an uncomfortable experience using our site	1-2 weeks		08/03/2017	
10		want to have a separate section for customers and staff accessed via a login area, so that work can be efficient and peopl		LEON	12/03/17	
11		per responsible with orders, I would like to be able to be able to manage the orders of our customers, so that our business		RAUL	17/03/17	
12						
13		**Customer Accounts**				
14		I must be able to make an account on the website of the company, so I can then make an order	2 WEEKS	SOPHIE & LEON	05/03/2017	
15		I must be able to login.		LEON	08/03/17	
16		I must be able to connect my Twitter account to my website account, so that I can place orders	1 WEEK	SOPHIE & LEON	08/03/2017	
17		I would like to be able to check if I am eligible for delivery, so that I can order pizza to my address		SECOND ITERATION		
18		I must be able to update my contact details, so that the business will be able to order pizza to my changed address		LEON	10/03/17	

Figure 1 - In blue are all completed user stories

To equally distribute work amongst ourselves, we created a spreadsheet of all user stories and nominated each other for particular tasks. We tried to push each other out of our comfort zones, tackling tasks that seemed complicated at first (such as creating a working login page, Twitter integration, testing). Constructive peer pressure and team work paid off, as we each learned the ropes of our respective section of the project. Overall, the workload was evenly spread out, so that none of us felt overburdened.

To Do List

RAUL
Order Management - DONE

SAM
TESTING PART OF THE REPORT - DONE
Write tests for existing code - DONE

LEON
FIRST PART OF THE REPORT - DONE
Fix session cookies - DONE

SOPHIE
REPORT - DONE
Contact Page - DONE

VINCENT
Tests - DONE

Main Priority: Testing!

Figure 2 - Last Meeting's Work Distribution (updated as of today)

8. Testing and test coverage

8.1   Approach to Testing

Testing for our website was done both manually and automatically using the Cucumber gem. Manual testing was used to check that any new changes that an individual had made were working. This would involve testing that error values are displayed correctly on the web page, if a user does not enter valid information into a text field or checking that a user's registered details had actually been added to the database correctly.

As a result of multiple forms of information validation, we had to make sure that the validation worked correctly for different types of test data. As such we made sure to test using invalid data, boundary data and erroneous data. However, through manual testing, we were only able to identify a certain amount of errors/problems before resolving them.

Hence, our test cases were written using cucumber, which allowed us to further test our system in order to identify any major bugs or problems. The following details outline the console output after conducting a cucumber test of the system after we had resolved problems identified using these cases. There is just one case where an error occurs, due to a yet unresolved issue (following logging into a twitter account to create a one-click order, the redirection of the user within Sign Off Pizza is still unknown).
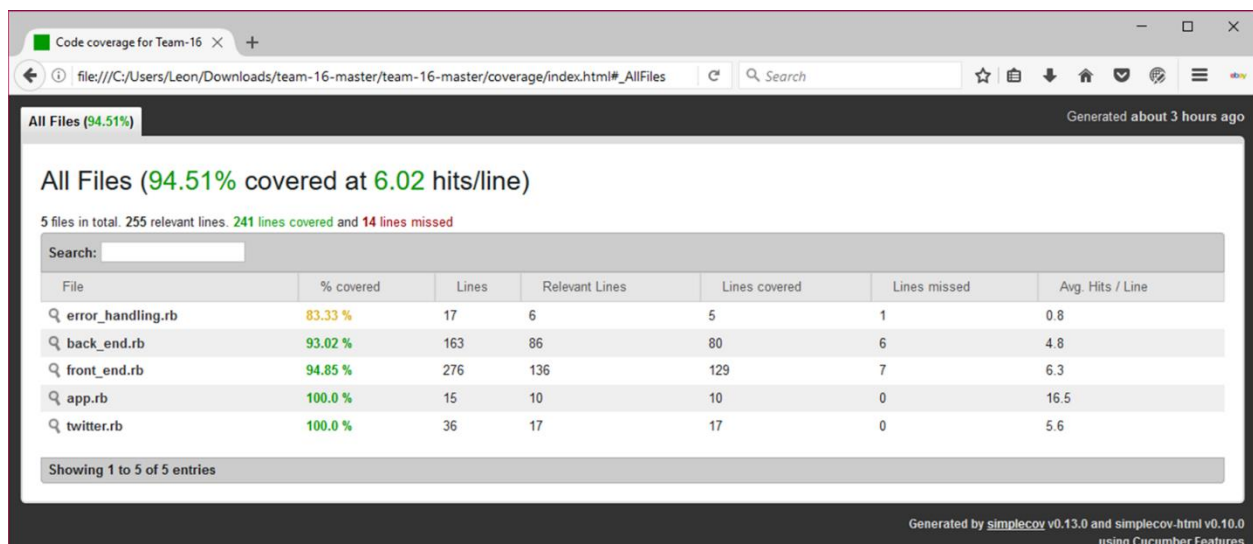
8.2   Coverage Reports

When   I   go   to   admin   page   # features/step_definitions/web_steps.rb:50
Then   I   should   be   redirected   to   home   page   # features/step_definitions/web_steps.rb:145

When   I   go   to   marketing   page   #
features/step_definitions/web_steps.rb:50
        Then   I   should   be   redirected   to   home   page   #
features/step_definitions/web_steps.rb:145
        When   I   go   to   orders   page   #
features/step_definitions/web_steps.rb:50
        Then   I   should   be   redirected   to   home   page   #
features/step_definitions/web_steps.rb:145

8.2.1 Feature: Account management

General
Scenario: User wants to delete his account # features/account.feature:3
  Given I am on the login page   # features/step_definitions/web_steps.rb:13
  When I fill in the following: # features/step_definitions/web_steps.rb:88
    | username | test |
    | password | test |
  When I press "Log In"   # features/step_definitions/web_steps.rb:55
  Then I should be on my details page   # features/step_definitions/web_steps.rb:135
  When I press "Delete My Account"   # features/step_definitions/web_steps.rb:55
  Then I should be redirected to home page # features/step_definitions/web_steps.rb:145
  When I go to the login page   # features/step_definitions/web_steps.rb:50
  When I fill in the following: # features/step_definitions/web_steps.rb:88
    | username | test |
    | password | test |
  When I press "Log In"   # features/step_definitions/web_steps.rb:55
  Then I should see "Incorrect password"   # features/step_definitions/web_steps.rb:113

General - edit account details
Scenario: User wants to change his account information # features/account.feature:21
    # account "sam"
    # In manual test
  Given   I   am   logged   in   as   "customer"   #
features/step_definitions/web_steps.rb:20
        Then   I   should   be   on   my   details   page   #
features/step_definitions/web_steps.rb:135
        When I fill in the following: # features/step_definitions/web_steps.rb:88
      | username | sam2 |
      | password | sam2 |
        When I press "Update"   # features/step_definitions/web_steps.rb:55
        When I log out   # features/step_definitions/web_steps.rb:45
        When I go to login page   # features/step_definitions/web_steps.rb:50
        When I fill in the following: # features/step_definitions/web_steps.rb:88
      | username | sam |

```
         | password | sam |
      When I press "Log In"                      # features/step_definitions/web_steps.rb:55
        # It seems that the information is not changed
        # In manual test, it said,"The account details are the same as before",
        # even when I tried to modify all field.
      Then      I      should      see      "Incorrect      password"         #
features/step_definitions/web_steps.rb:113
        When I fill in the following:            # features/step_definitions/web_steps.rb:88
         | username | sam2 |
         | password | sam2 |
      When I press "Log In"                      # features/step_definitions/web_steps.rb:55
        Then      I      should      be      on      my      details      page         #
features/step_definitions/web_steps.rb:135
        When I fill in the following:            # features/step_definitions/web_steps.rb:88
         | username | sam |
         | password | sam |
        /home/codio/workspace/team-16/front_end.rb:113: warning: already initialized constant
VALID_TWITTER_REGEX
        /home/codio/workspace/team-16/front_end.rb:113:  warning:  previous  definition  of
VALID_TWITTER_REGEX was here
        /home/codio/workspace/team-16/front_end.rb:115: warning: already initialized constant
VALID_POSTCODE_REGEX
        /home/codio/workspace/team-16/front_end.rb:115:  warning:  previous  definition  of
VALID_POSTCODE_REGEX was here
        /home/codio/workspace/team-16/front_end.rb:117: warning: already initialized constant
VALID_NUMBER_REGEX
        /home/codio/workspace/team-16/front_end.rb:117:  warning:  previous  definition  of
VALID_NUMBER_REGEX was here
        When I press "Update"                     # features/step_definitions/web_steps.rb:55


      # staff
      # testing for admin to manage accounts takes part in staff.feature
     Scenario: Admin wants to change his account information # features/account.feature:52
        #account "admin1"
      Given     I     am     logged     in     as     "admin"               #
features/step_definitions/web_steps.rb:20
      When     I     go     to     my     account     page                 #
features/step_definitions/web_steps.rb:50
        When I fill in the following:            # features/step_definitions/web_steps.rb:88
         | username | admin2 |
         | password | admin2 |
      /home/codio/workspace/team-16/back_end.rb:55: warning: already initialized constant
VALID_TWITTER_REGEX
      /home/codio/workspace/team-16/front_end.rb:113:  warning:  previous  definition  of
VALID_TWITTER_REGEX was here
```

When I press "Update"   # features/step_definitions/web_steps.rb:55
When I log out   # features/step_definitions/web_steps.rb:45
When I go to login page   # features/step_definitions/web_steps.rb:50
When I fill in the following: # features/step_definitions/web_steps.rb:88
  | username | admin1 |
  | password | admin1 |
When I press "Log In"   # features/step_definitions/web_steps.rb:55
Then I should see "Incorrect password"   # features/step_definitions/web_steps.rb:113
When I fill in the following: # features/step_definitions/web_steps.rb:88
  | username | admin2 |
  | password | admin2 |
When I press "Log In"   # features/step_definitions/web_steps.rb:55
Then I should be on admin page   # features/step_definitions/web_steps.rb:135
When I go to my account page   # features/step_definitions/web_steps.rb:50
When I fill in the following: # features/step_definitions/web_steps.rb:88
  | username | admin1 |
  | password | admin1 |
/home/codio/workspace/team-16/back_end.rb:55: warning: already initialized constant VALID_TWITTER_REGEX
/home/codio/workspace/team-16/back_end.rb:55: warning: previous definition of VALID_TWITTER_REGEX was here
When I press "Update"   # features/step_definitions/web_steps.rb:55

8.2.2   <u>Feature: Login</u>

Valid login
Scenario: User enters correct password and user is ADMIN # features/login.feature:3
  Given   I   am   on   the   login   page   #
features/step_definitions/web_steps.rb:13
    When I fill in the following: # features/step_definitions/web_steps.rb:88
      | username | admin1 |
      | password | admin1 |
    When I press "Log In"   # features/step_definitions/web_steps.rb:55
    Then   I   should   be   on   admin   page   #
features/step_definitions/web_steps.rb:135
    When I go to logout page   # features/step_definitions/web_steps.rb:50
    Then   I   should   be   on   logout   page   #
features/step_definitions/web_steps.rb:135
    Then   I   should   see   "Logged   out"   #
features/step_definitions/web_steps.rb:113

    Scenario: User   enters   correct   password   and   user   is   MARKETING   staff   #
features/login.feature:14
    Given   I   am   on   the   login   page   #
features/step_definitions/web_steps.rb:13
    When   I   fill   in   the   following: #
features/step_definitions/web_steps.rb:88
      | username | marketing |
      | password | marketing |
    When   I   press   "Log   In"   #
features/step_definitions/web_steps.rb:55
    Then   I   should   be   on   marketing   page   #
features/step_definitions/web_steps.rb:135

    Scenario: User   enters   correct   password   and   user   is   ORDERS   staff   #
features/login.feature:22
    Given   I   am   on   the   login   page   #
features/step_definitions/web_steps.rb:13
    When   I   fill   in   the   following: #
features/step_definitions/web_steps.rb:88
      | username | orders |
      | password | orders |
    When   I   press   "Log   In"   #
features/step_definitions/web_steps.rb:55
    Then   I   should   be   on   orders   page   #
features/step_definitions/web_steps.rb:135

Scenario: User enters correct password and user is CUSTOMER # features/login.feature:30
Given I am on the login page # features/step_definitions/web_steps.rb:13
When I fill in the following: # features/step_definitions/web_steps.rb:88
    | username | sam |
    | password | sam |
Given I press "Log In" # features/step_definitions/web_steps.rb:55
Then I should be on my details page # features/step_definitions/web_steps.rb:135

#Then I should be on page for customer
 # Invalid login
 Scenario: User enters incorrect password # features/login.feature:40
   Given I am on the login page   # features/step_definitions/web_steps.rb:13
   When I fill in the following: # features/step_definitions/web_steps.rb:88
     | username | sam |
     | password | hey |
   When I press "Log In"   # features/step_definitions/web_steps.rb:55
   Then I should be on login page   # features/step_definitions/web_steps.rb:135
   Then I should see "Incorrect password" # features/step_definitions/web_steps.rb:113

 Scenario: User enters non-exist username # features/login.feature:49
   Given I am on the login page   # features/step_definitions/web_steps.rb:13
   When I fill in the following: # features/step_definitions/web_steps.rb:88
     | username | notExist |
     | password | notExist |
   When I press "Log In"   # features/step_definitions/web_steps.rb:55
   Then I should see "Incorrect password" # features/step_definitions/web_steps.rb:113

 #Then I should see "error message"
 # logout
 # errors need to be fixed
 Scenario: logout test for all type of account # features/login.feature:60
    # admin
   Given I am logged in as "admin"   # features/step_definitions/web_steps.rb:20
   When I go to logout page   # features/step_definitions/web_steps.rb:50
   Then I should be on logout page   # features/step_definitions/web_steps.rb:135
   Then I should see "Logged out"   # features/step_definitions/web_steps.rb:113
   When I go to admin page   # features/step_definitions/web_steps.rb:50

Then I should be redirected to home page   # features/step_definitions/web_steps.rb:145
  # marketing
Given I am logged in as "marketing"   # features/step_definitions/web_steps.rb:20
When I go to logout page   # features/step_definitions/web_steps.rb:50
Then I should see "Logged out"   # features/step_definitions/web_steps.rb:113
When I go to marketing page   # features/step_definitions/web_steps.rb:50
Then I should be redirected to home page   # features/step_definitions/web_steps.rb:145
  # orders
Given I am logged in as "orders"   # features/step_definitions/web_steps.rb:20
When I go to logout page   # features/step_definitions/web_steps.rb:50
Then I should see "Logged out"   # features/step_definitions/web_steps.rb:113
When I go to orders page   # features/step_definitions/web_steps.rb:50
Then I should be redirected to home page   # features/step_definitions/web_steps.rb:145
  # customer
Given I am logged in as "customer"   # features/step_definitions/web_steps.rb:20
When I go to logout page   # features/step_definitions/web_steps.rb:50
Then I should see "Logged out"   # features/step_definitions/web_steps.rb:113
When I go to my details page   # features/step_definitions/web_steps.rb:50
Then I should be redirected to home page   # features/step_definitions/web_steps.rb:145
Feature: Ordering pizza

Scenario: Guest want to order a Margerita pizza   # features/orders.feature:3
When I go to menu page   # features/step_definitions/web_steps.rb:50
When I click #Margerita   # features/step_definitions/web_steps.rb:69
Then I should be on tweet page   # features/step_definitions/web_steps.rb:135
  # I don't know does it really reach the tweet page
  # It said it cannot find the string below from "404 Custom error page"
Then   I   should   see   "@SignOffPizza   #Margerita   #DLV"   #
features/step_definitions/web_steps.rb:113
  expected to find text "@SignOffPizza #Margerita #DLV" in "Custom 404 error page"
(RSpec::Expectations::ExpectationNotMetError)
  ./features/step_definitions/web_steps.rb:116:in `block (2 levels) in <top (required)>'
  ./features/step_definitions/web_steps.rb:7:in `with_scope'
  ./features/step_definitions/web_steps.rb:114:in `/^I should see "([^\"]*)"(?: within
"([^\"]*)")?$/'
  features/orders.feature:9:in `Then I should see "@SignOffPizza #Margerita #DLV"'

8.2.3   <u>Feature: Register</u>

Scenario: User try to register an new account and entered # features/register.feature:3
Given   I   am   on   the   registration   page   #
features/step_definitions/web_steps.rb:13
When I fill in the following: # features/step_definitions/web_steps.rb:88
username	newuser
password	password
twitter	@twitter
housename	house
housenumber	10
street	street
postcode	S10 3AD
/home/codio/workspace/team-16/front_end.rb:237: warning: already initialized constant
VALID_TWITTER_REGEX
/home/codio/workspace/team-16/back_end.rb:55:   warning: previous   definition   of
VALID_TWITTER_REGEX was here
/home/codio/workspace/team-16/front_end.rb:239: warning: already initialized constant
VALID_POSTCODE_REGEX
/home/codio/workspace/team-16/front_end.rb:115:   warning: previous   definition   of
VALID_POSTCODE_REGEX was here
/home/codio/workspace/team-16/front_end.rb:241: warning: already initialized constant
VALID_NUMBER_REGEX
/home/codio/workspace/team-16/front_end.rb:117:   warning: previous   definition   of
VALID_NUMBER_REGEX was here
When I click "Register"   # features/step_definitions/web_steps.rb:62
Then   I   should   be   on   registration   page   #
features/step_definitions/web_steps.rb:135

#Then I should see "Successful registeration!"
#Then I should see "Welcome!"
invalid input(s)
Scenario: User try to register an new account, but the username has been used   #
features/register.feature:19
Given I am on the registration page   #
features/step_definitions/web_steps.rb:13
When   I   fill   in   the   following: #
features/step_definitions/web_steps.rb:88
username	sam
password	password
twitter	@testing
housename	house
housenumber	10
street	street

```
        | postcode   | S10 3AD |
/home/codio/workspace/team-16/front_end.rb:237: warning: already initialized constant
VALID_TWITTER_REGEX
/home/codio/workspace/team-16/back_end.rb:55:   warning:   previous   definition   of
VALID_TWITTER_REGEX was here
/home/codio/workspace/team-16/front_end.rb:239: warning: already initialized constant
VALID_POSTCODE_REGEX
/home/codio/workspace/team-16/front_end.rb:115:  warning:  previous  definition  of
VALID_POSTCODE_REGEX was here
/home/codio/workspace/team-16/front_end.rb:241: warning: already initialized constant
VALID_NUMBER_REGEX
/home/codio/workspace/team-16/front_end.rb:117:  warning:  previous  definition  of
VALID_NUMBER_REGEX was here
      When I click "Register"                    # features/step_definitions/web_steps.rb:62
      Then    I    should    be    on    registration    page               #
features/step_definitions/web_steps.rb:135


      #Then I should see "Successful registeration!"
      #Then I should see "Welcome!"
      # invalid input(s)
      Scenario: User try to register an new account, but the username has been used        #
features/register.feature:19
        Given  I  am  on  the  registration  page                          #
features/step_definitions/web_steps.rb:13
        When   I   fill   in   the   following:                            #
features/step_definitions/web_steps.rb:88
          | username   | sam     |
          | password   | password |
          | twitter    | @testing |
          | housename  | house   |
          | housenumber | 10      |
          | street     | street  |
          | postcode   | S10 3AD |
/home/codio/workspace/team-16/front_end.rb:237: warning: already initialized constant
VALID_TWITTER_REGEX
/home/codio/workspace/team-16/front_end.rb:237:  warning:  previous  definition  of
VALID_TWITTER_REGEX was here
/home/codio/workspace/team-16/front_end.rb:239: warning: already initialized constant
VALID_POSTCODE_REGEX
/home/codio/workspace/team-16/front_end.rb:239:  warning:  previous  definition  of
VALID_POSTCODE_REGEX was here
/home/codio/workspace/team-16/front_end.rb:241: warning: already initialized constant
VALID_NUMBER_REGEX
/home/codio/workspace/team-16/front_end.rb:241:  warning:  previous  definition  of
VALID_NUMBER_REGEX was here
```

When   I   click   "Register"   # features/step_definitions/web_steps.rb:62
Then I should see "Please enter a different username"   # features/step_definitions/web_steps.rb:113
Then I should NOT see "Please enter a password made of letters and numbers"   # features/step_definitions/web_steps.rb:124
Then I should NOT see "Please enter a valid twitter account"   # features/step_definitions/web_steps.rb:124
Then I should NOT see "Please enter a house name made of letters and numbers"   # features/step_definitions/web_steps.rb:124
Then I should NOT see "Please enter a house number made up of numbers"   # features/step_definitions/web_steps.rb:124
Then I should NOT see "Please enter a street name made up of letters"   # features/step_definitions/web_steps.rb:124
Then I should NOT see "Please enter a postcode made of letters and numbers in a valid format" # features/step_definitions/web_steps.rb:124

Scenario: Registration with invalid password # features/register.feature:38

Scenario: Registration with invalid twitter # features/register.feature:39

Scenario: Registration with invalid house name # features/register.feature:40

Scenario: Registration with invalid house number # features/register.feature:41

Scenario: Registration with invalid street # features/register.feature:42

Scenario: Registration with invalid postcode # features/register.feature:43

missing input(s)
Scenario: User try to register an new account, but entered nothing   # features/register.feature:46
Given   I   am   on   the   registration   page   # features/step_definitions/web_steps.rb:13
/home/codio/workspace/team-16/front_end.rb:237: warning: already initialized constant VALID_TWITTER_REGEX
/home/codio/workspace/team-16/front_end.rb:237: warning: previous definition of VALID_TWITTER_REGEX was here
/home/codio/workspace/team-16/front_end.rb:239: warning: already initialized constant VALID_POSTCODE_REGEX

/home/codio/workspace/team-16/front_end.rb:239:   warning: previous   definition   of
VALID_POSTCODE_REGEX was here
      /home/codio/workspace/team-16/front_end.rb:241: warning: already initialized constant
VALID_NUMBER_REGEX
      /home/codio/workspace/team-16/front_end.rb:241:   warning: previous   definition   of
VALID_NUMBER_REGEX was here
      When   I   click   "Register"   #
features/step_definitions/web_steps.rb:62
        #Then I should NOT see "Please enter a different username"
      Then I should see "Please enter a password made of letters and numbers"   #
features/step_definitions/web_steps.rb:113
      Then I should see "Please enter a valid twitter account"   #
features/step_definitions/web_steps.rb:113
      Then I should see "Please enter a house name made of letters and numbers"   #
features/step_definitions/web_steps.rb:113
      Then I should see "Please enter a house number made up of numbers"   #
features/step_definitions/web_steps.rb:113
      Then I should see "Please enter a street name made up of letters"   #
features/step_definitions/web_steps.rb:113
      Then I should see "Please enter a postcode made of letters and numbers in a valid format"
features/step_definitions/web_steps.rb:113

      Scenario: Registration with empty username # features/register.feature:57

      Scenario: Registration with empty password # features/register.feature:58

      Scenario: Registration with empty twitter # features/register.feature:59

      Scenario: Registration with empty house name # features/register.feature:60

      Scenario: Registration with empty house number # features/register.feature:61

      Scenario: Registration with empty street # features/register.feature:62

      Scenario: Registration with empty postcode # features/register.feature:63

8.2.4   <u>Feature: Staff</u>

```
    # Admin
    Scenario: Create a new admin account # features/staff.feature:3
      Given I am logged in as "admin"    # features/step_definitions/web_steps.rb:20
      When I go to the create staff page # features/step_definitions/web_steps.rb:50
      When I fill in the following:      # features/step_definitions/web_steps.rb:88
        | username | newAdmin  |
        | password | newAdmin  |
        | twitter  | @newAdmin |
        | admin    | 1         |
```

/home/codio/workspace/team-16/back_end.rb:136: warning: already initialized constant VALID_TWITTER_REGEX

/home/codio/workspace/team-16/front_end.rb:237: warning: previous definition of VALID_TWITTER_REGEX was here

/home/codio/workspace/team-16/back_end.rb:138: warning: already initialized constant VALID_NUMBER_REGEX

/home/codio/workspace/team-16/front_end.rb:241: warning: previous definition of VALID_NUMBER_REGEX was here

```
      When I press "Register"          # features/step_definitions/web_steps.rb:55
      When I go to logout page          # features/step_definitions/web_steps.rb:50
        # log into new account
      When I go to login page          # features/step_definitions/web_steps.rb:50
      When I fill in the following:     # features/step_definitions/web_steps.rb:88
        | Username | newAdmin |
        | Password | newAdmin |
      When I press "Log In"            # features/step_definitions/web_steps.rb:55
      Then I should be on admin page     # features/step_definitions/web_steps.rb:135


    Scenario: Create a new orders account # features/staff.feature:21
      Given I am logged in as "admin"     # features/step_definitions/web_steps.rb:20
      When I go to the create staff page  # features/step_definitions/web_steps.rb:50
      When I fill in the following:       # features/step_definitions/web_steps.rb:88
        | username | newOrder  |
        | password | newOrder  |
        | twitter  | @newOrder |
        | admin    | 2         |
```

/home/codio/workspace/team-16/back_end.rb:136: warning: already initialized constant VALID_TWITTER_REGEX

/home/codio/workspace/team-16/back_end.rb:136: warning: previous definition of VALID_TWITTER_REGEX was here

/home/codio/workspace/team-16/back_end.rb:138: warning: already initialized constant VALID_NUMBER_REGEX

/home/codio/workspace/team-16/back_end.rb:138: warning: previous definition of VALID_NUMBER_REGEX was here

```
When I press "Register"          # features/step_definitions/web_steps.rb:55
When I go to logout page          # features/step_definitions/web_steps.rb:50
  # log into new account
When I go to login page          # features/step_definitions/web_steps.rb:50
When I fill in the following:     # features/step_definitions/web_steps.rb:88
  | Username | newOrder |
  | Password | newOrder |
When I press "Log In"            # features/step_definitions/web_steps.rb:55
Then I should be on orders page    # features/step_definitions/web_steps.rb:135
```

```
Scenario: Create a new marketing account # features/staff.feature:39
  Given I am logged in as "admin"        # features/step_definitions/web_steps.rb:20
  When I go to the create staff page     # features/step_definitions/web_steps.rb:50
  When I fill in the following:          # features/step_definitions/web_steps.rb:88
    | username | newMarket  |
    | password | newMarket  |
    | twitter  | @newMarket |
    | admin    | 3          |
```

/home/codio/workspace/team-16/back_end.rb:136: warning: already initialized constant VALID_TWITTER_REGEX

/home/codio/workspace/team-16/back_end.rb:136: warning: previous definition of VALID_TWITTER_REGEX was here

/home/codio/workspace/team-16/back_end.rb:138: warning: already initialized constant VALID_NUMBER_REGEX

/home/codio/workspace/team-16/back_end.rb:138: warning: previous definition of VALID_NUMBER_REGEX was here

```
When I press "Register"          # features/step_definitions/web_steps.rb:55
When I go to logout page          # features/step_definitions/web_steps.rb:50
  # log into new account
When I go to login page          # features/step_definitions/web_steps.rb:50
When I fill in the following:     # features/step_definitions/web_steps.rb:88
  | Username | newMarket |
  | Password | newMarket |
When I press "Log In"            # features/step_definitions/web_steps.rb:55
Then I should be on marketing page    # features/step_definitions/web_steps.rb:135
```

8.2.5   <u>Failing Scenarios</u>

cucumber features/orders.feature:3 # Scenario: Guest want to order a Margerita pizza
37 scenarios (1 failed, 36 passed)
177 steps (1 failed, 176 passed)
0m3.357s

Coverage report generated for Cucumber Features to /home/codio/workspace/team-16/coverage. 241 / 255 LOC (94.51%) covered.

9. <u>Conclusion and Further Development</u>

This document has tracked the work of Team 16 on the first iteration of Sign Off Pizza. Following an upcoming client meeting, user stories will be reviewed and any remaining ones will be implemented, the existing app will be perfected and then delivered to the client.