

Team 13 Report - Iteration 2

How to run and access our system

Use 'bundle install gem' to gain access to the gems we used.

Run iteration2.rb in a Ruby terminal.

Admin username: admin

Admin password: pizzarules2017

```
config = {  
  :consumer_key => '2Sr1m3AcapBgEQQQqg8vgLwLb',  
  :consumer_secret => 'ECieYz1aznZ3CIIIuM1VBcEKqguj4YR99S81MDXL6h5fr0ou6',  
  :access_token => '841378556517240832-wQgd24X6KachbBPz1vwjzlsG52tupkv',  
  :access_token_secret => '62bGEWz4tLuWSxjoNPUzc8QGzAhdX8TgjOkSJfu7sqTgT'  
}
```

Resubmission of stories, with changes highlighted and annotated

Client Priority	User Stories	Acceptance Criteria	Estimated Effort
1	As a customer I can register an account so I can order through Twitter.	User should complete all the mandatory fields to register online. Validation of the correct format should be implemented. Spam should be banned. Confirmation email should be sent after someone's registering. Information should be stored in the database.	64

2	As a customer I am alerted if my address is more than 5 miles outside the delivery radius so that I know I can't get pizza delivered.	Another method can be supplied to the users, such as a limit within which the user can collect the pizza. If there is a certain period that is supposed to be met by the user, there should be a phone number for a delivery service, so that it can be made sure that the user can collect the pizza.	64
3	As a customer I can tweet the Spicy Slice twitter with #order to order.	There should be a list of pizzas which can be offered. After ordering, order information should be delivered to the company.	4
4	As a customer I can include #delivery or #collect in my tweet so that my order is either delivered to me or has to be collected.	Both options cannot be chosen at the same time. If the collect option is selected, the meeting point should be declared. If the delivery service is selected, the address information should appear on the screen and the user must be asked to confirm it.	8
5	As a customer I can go to the Spicy Slice website and look through a menu that has prices and offers.	I can find a certain type of pizza, like a vegetarian pizza.	2
6	As a customer I receive a reply from the Spicy Slice Twitter confirming my order.	I have to confirm my order in 5 minutes, otherwise my order will be cancelled.	4
7	As a customer I can reply to the confirmation tweet so that I can confirm my order.	After confirmation, the order should be immediately communicated to the company so that the pizza making can be implemented.	2

8	As a customer I can change the twitter handle associated with my account so that if I make a new Twitter account I don't have to make a new Spicy Slice account.	Users can edit their account details on an account page, which will include being able to change their Twitter handle.	8
9	As a customer I can check how many loyalty points I have accumulated on my account through the website so I can see how close I am to getting a free pizza.	The way of getting loyalty points needs to be implemented. There could be ranking of loyalty points to make users order more pizzas through a competition for free pizza.	2
10	As a customer I can change my address on my account so that if I move I don't need to make a new account.	New address information should be replaced with old information in the database. After moving, whether the user is within 5 miles should be made clear. When changing the address, wrong types of address cannot be inserted.	4
11	As a customer I can see numbers that relate to food items on the menu so that I can use them to order through Twitter within a limit of 140 characters.	If the character number is at 140, then no other characters can be added.	1
12	As a customer I can retweet a special competition tweet from the Spicy Slice Twitter so I have a chance to win a free pizza.	The list of the volunteers for the competition should be sent to the company. After choosing the free pizza winner, this information should be sent to the users.	4
13	As a customer I can go to a 'contact us' page on the website, which has contact numbers, email addresses and Twitter account names for Spicy Slice so I can get in contact with them.	I can see the newest available contact details of the company.	2

14	As a customer I can go to an 'about us' page on the website that tells me about the company so I can learn more about the company.	I can see when this page is made. I can see who made this system.	2
15	As a customer I can design my own pizza by listing ingredients in my order tweet.	All ingredients should be listed for users to easily find what the user wants. When the new ingredients are added, the price should be calculated and informed to the users.	1
16	(Optional) As a customer I can go to the website to check on the progress of my order so I can see approximately how long it will take.	The start time of making pizza should be identified. The start time of delivery service should be declared. Predicted time could be informed based on the data that is gained over time.	128
1	As an admin I can see all of the orders that have been tweeted so I can respond to them.	There should be a way to respond to the tweets from the web as well, so in the same page that the admin is able to see the tweets, he should be able to answer them.	16
2	As an admin I can change menu items and offers so I can keep the website updated.	Admin needs to have access to an easy framework to add and modify items and offers of the website.	128
3	As an admin I can refresh the orders by using a refresh button so I can see all the latest orders.	There should be a button to refresh the orders on the page. This button should not refresh the whole page, however.	8

4	As an admin I can find a customer's address by searching for their Twitter handle so their order can be delivered to them.	There should be a search system where, just by typing the Twitter account, info about the user will appear, showing their address.	8
5	As an admin I can reply to an order tweet through the website so I can confirm the order.	The admin should be able to reply to any order by pressing a reply button, which will prompt him to write a response to the current order. The website will copy what he wrote in the prompt and transform it into a tweet directed at the user who posted the order.	64
6	As an admin I can filter the orders by Twitter handle so that I can see if anyone has ordered through multiple tweets.	In the same orders page, the admin should be able to filter all the orders so he can see all the tweets that a user has made. If that user has made more than one order, these orders should be identified so that the orders can be sent together.	8
7	As an admin I can move a completed order to a different section of the website where it is marked as completed.	The admin should be able to classify the tweets so he can organise them, having a different page for completed orders. We can simply add a button that lets him do this beside every tweet.	32
8	As an admin I filter through questions by viewing tweets containing #question.	Questions need to be sent to proper workman of Spicy Slice. Questions gathered from users should be listed in time order.	16

9	As an admin I can automatically follow someone who has ordered a pizza so they are more likely to order in future.	We need to create a way to automatize this. Maybe we need to create a bot so that, every time someone tweets the Spicy Slice account, it follows that person.	64
10	As an admin I can automatically unfollow someone who hasn't ordered a pizza in a month so they are more likely to order in future.	The same mechanism should be able to unfollow someone if they haven't ordered a pizza in a month.	128
11	As an admin I can see all of the retweets from the competition tweet so I can select a winner.	There should be a page showing all the people that retweeted the competition tweet, probably only their @names.	16
12	As an admin I can use a button to randomly select a winner from the competition so that a random person wins a free pizza.	The admin has a button he can press to randomly select a user from the current competition pool who will have a free order placed for him.	8
13	As an admin promotion of the company should be sent to Spicy Slice customers.	Promotion material should be sent if the Twitter handle of the customer is registered in a Spicy Slice account.	8
N/A (newly added)	As a customer I can make use of an 'Edit Profile' button which leads to a profile page and a 'Change password' button which leads to a page where I can change my password.	N/A (newly added)	N/A (newly added)
N/A (newly added)	Re-do front end on Bootstrap.	N/A (newly added)	N/A (newly added)
N/A (newly added)	As a customer I can use a '2 pizzas for the price of one' offer after Corp.	N/A (newly added)	N/A (newly added)

N/A (newly added)	As an admin orders must be sortable by Sheffield/London location (drop-down menu in admin page).	N/A (newly added)	N/A (newly added)
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Confirmation email should be sent after someone's registering.

We removed this part of the acceptance criteria (customer user story - client priority 1) because it is easier for the user to register with just their twitter handle alone.

If the collect option is selected, the meeting point should be declared.

If the delivery service is selected, the address information should appear on the screen and the user must be asked to confirm it.

We removed this part of the acceptance criteria (customer user story - client priority 4), as the address information for Spicy Slice is available on the website homepage, and the admin has access to every customer's address on the admin page.

As a **customer** I receive a reply from the Spicy Slice Twitter so that I can confirm my order.

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I have to confirm my order in 5 minutes, otherwise my order will be cancelled.

We changed the user story to "As a **customer** I receive a reply from the Spicy Slice Twitter confirming my order." in order to simplify the procedure for the customer. We removed the acceptance criteria by default due to the change in the user story.

As a **customer** I can reply to the confirmation tweet so that I can confirm my order.

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After confirmation, the order should be immediately communicated to the company so that the pizza making can be implemented.

We removed this user story and acceptance criteria by default due to the adjustment to the above user story.

This button should not refresh the whole page, however.

We removed this part of the acceptance criteria (admin user story - client priority 3) due to technical difficulties.

As an **admin** promotion of the company should be sent to Spicy Slice customers.

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Promotion material should be sent if the Twitter handle of the customer is registered in a Spicy Slice account.

We removed this user story and acceptance criteria as we don't take email addresses of customers when they register.

As a **customer** I can make use of an 'Edit Profile' button which leads to a profile page and a 'Change password' button which leads to a page where I can change my password.

We added this user story following feedback for iteration 1.

Re-do front end on Bootstrap

We added this user story following feedback for iteration 1.

As a **customer** I can use a '2 pizzas for the price of one' offer after Corp.

We added this user story as requested by our client.

As an **admin** orders must be sortable by Sheffield/London location (drop-down menu in admin page).

We added this user story as requested by our client.

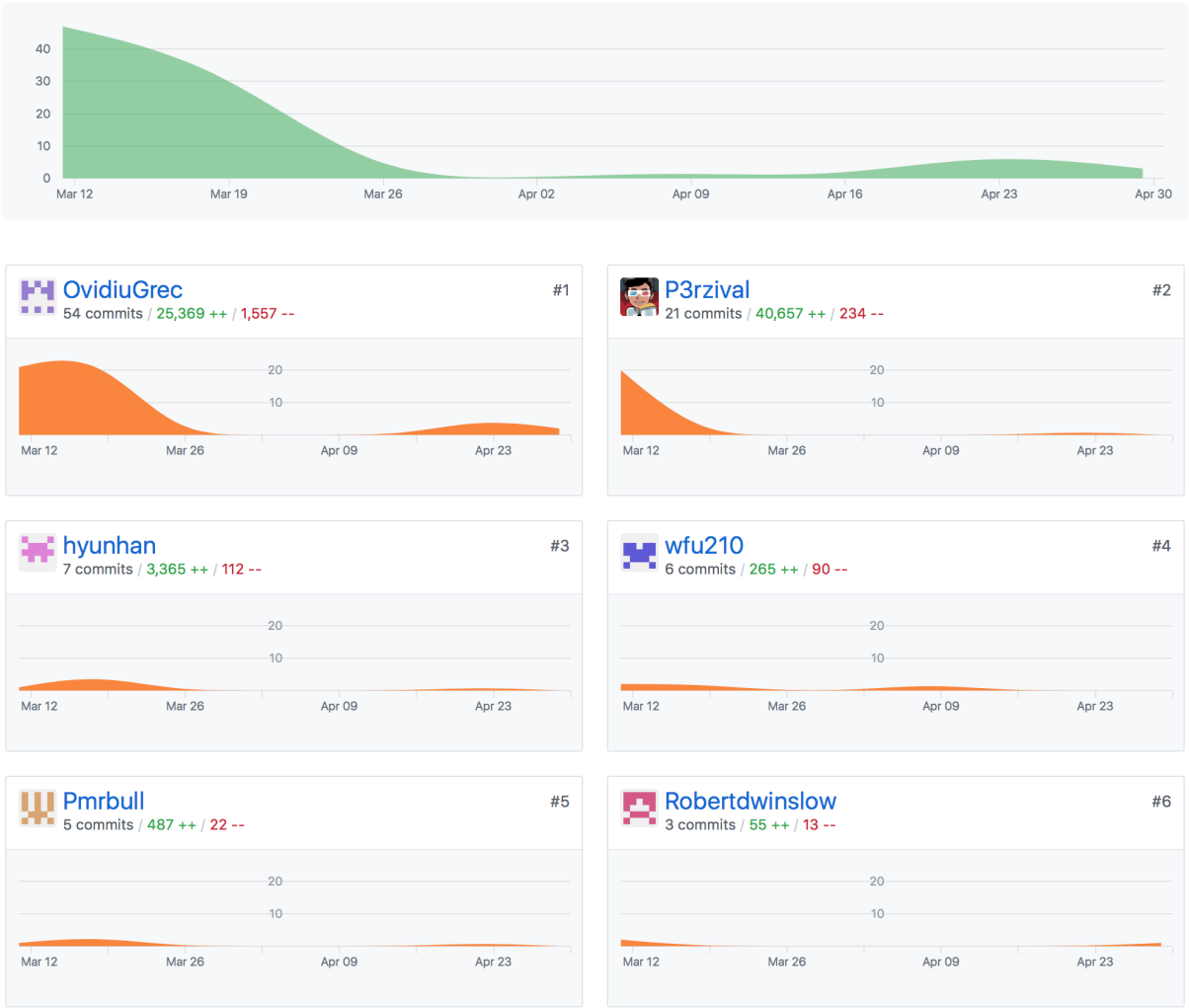
Stories we plan to tackle in iteration 2:

Client Priority	User Stories	Acceptance Criteria	Estimated Effort
6	As a customer I receive a reply from the Spicy Slice Twitter confirming my order.	I have to confirm my order in 5 minutes, otherwise my order will be cancelled.	4
2	As a customer I am alerted if my address is more than 5 miles outside the delivery radius so that I know I can't get pizza delivered.	Another method can be supplied to the users, such as a limit within which the user can collect the pizza. If there is a certain period that is supposed to be met by the user, there should be a phone number for a delivery service, so that it can be made sure that the user can collect the pizza.	64
3	As an admin I can refresh the orders by using a refresh button so I can see all the latest orders.	There should be a button to refresh the orders on the page. This button should not refresh the whole page, however.	8
7	As an admin I can move a completed order to a different section of the website where it is marked as completed.	The admin should be able to classify the tweets so he can organise them, having a different page for completed orders. We can simply add a button that lets him do this beside every tweet.	32
15	As a customer I can design my own pizza by listing ingredients in my order tweet.	All ingredients should be listed for users to easily find what the user wants. When the new ingredients are added, the price should be calculated and informed to the users.	1

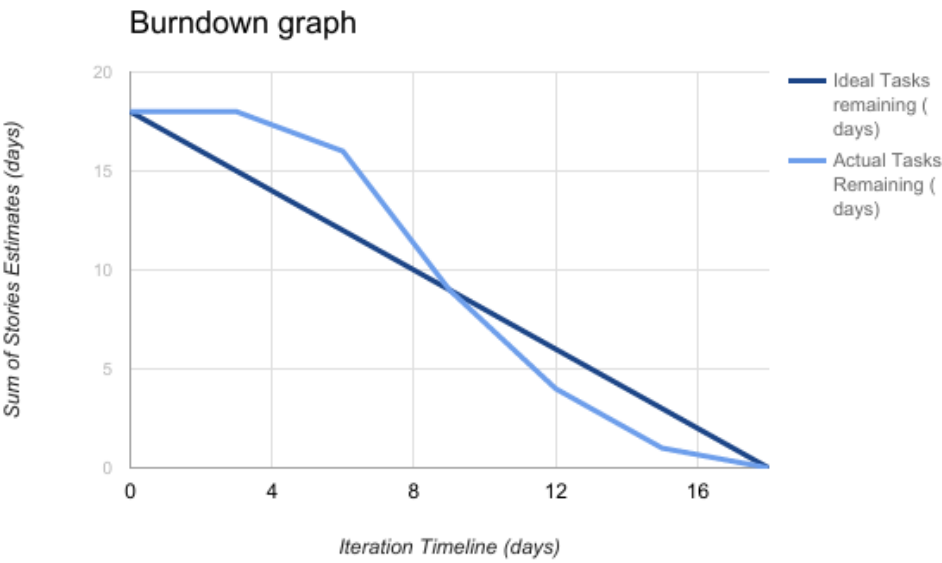
9	(Optional) As a customer I can check how many loyalty points I have accumulated on my account through the website so I can see how close I am to getting a free pizza.	The way of getting loyalty points needs to be implemented. There could be ranking of loyalty points to make users order more pizzas through a competition for free pizza.	2
12	(Optional) As a customer I can retweet a special competition tweet from the Spicy Slice Twitter so I have a chance to win a free pizza.	The list of the volunteers for the competition should be sent to the company. After choosing the free pizza winner, this information should be sent to the users.	4
16	(Optional) As a customer I can go to the website to check on the progress of my order so I can see approximately how long it will take.	The start time of making pizza should be identified. The start time of delivery service should be declared. Predicted time could be informed based on the data that is gained over time.	128
2	As an admin I can change menu items and offers so I can keep the website updated.	Admin needs to have access to an easy framework to add and modify items and offers of the website.	128
10	As an admin I can automatically unfollow someone who hasn't ordered a pizza in a month so they are more likely to order in future.	The same mechanism should be able to unfollow someone if they haven't ordered a pizza in a month.	128
11	(Optional) As an admin I can see all of the retweets from the competition tweet so I can select a winner.	There should be a page showing all the people that retweeted the competition tweet, probably only their @names.	16

12	(Optional) As an admin I can use a button to randomly select a winner from the competition so that a random person wins a free pizza.	The admin has a button he can press to randomly select a user from the current competition pool who will have a free order placed for him.	8
N/A (newly added)	As a customer I can make use of an 'Edit Profile' button which leads to a profile page and a 'Change password' button which leads to a page where I can change my password.	N/A (newly added)	N/A (newly added)
N/A (newly added)	Re-do front end on Bootstrap.	N/A (newly added)	N/A (newly added)
N/A (newly added)	As a customer I can use a '2 pizzas for the price of one' offer after Corp.	N/A (newly added)	N/A (newly added)
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GitHub graphs showing commits from each team member over time



Burndown chart on progress on each story over time



Testing and test coverage

We have done some Cucumber tests on a variety of critical aspects of our project, such as the `login_page`, `registration_page` and the `order_page`. However, as well as automated tests, we also completed manual tests consistently throughout the project, as this helped us to refine and improve the program. For example, we checked how the program deals with a user not entering all the fields required on the registration page (the user is not allowed to register and the fields that are left blank are highlighted to the user). All the relevant screenshots for the tests are shown below:

[illegible]