

Team 09

1st Iteration Team Report

1. Running and accessing our system

To use our website, first run the application by typing `"ruby index.rb"` in the command line after you have entered the project file with `"cd project"`

To access our website visit the URL of the following format

`"http://[DOMAIN]:[PORT]/index"`

URL example: ["http://driver-norway.codio.io:4567/index"](http://driver-norway.codio.io:4567/index)

We have created an admin account and it can be accessed with the following details:

Email Address: admintest1@gmail.com

Password: passwordtest

To login as a customer, you will have to fill in the sign up form with your details. Once you have signed up, you will be able to login. If your login details are correct, you will be redirected to the home page which has a button called Order History. At the moment, the order history page has not been created but we are planning to create it for iteration 2.

2. Story cards (updated)

We decided to display our story cards in lists rather than the table we had before as we got feedback that the previous layout was poor (example of old layout provided below). Our story cards are categorised into lists (Must, Should, Could) according to the MoSCoW prioritisation principle as this gives us more clarity. We got rid of the "Won't" list of our story cards as now that we started developing, we see no use in keeping it. All stories apart from being in different priority lists also have an importance value (10 – 1) to break down the importance of implementation further, as we ended up with quite a few story cards in each list. We discussed and assigned these values to our story cards during one of our meetings. This made it easier for us to get started with developing. Moreover, we got rid of our difficulty predictions as many of them were not accurate and those figures were not very useful. We also removed our "Acceptance criteria" sections from each story card as it is quite clear for us what the acceptance criteria for each card is just from its description.

Overall, we tried to make our story cards as concise and clear as possible to make it easy for us to work with them.

Annotation of changes:

- Story cards marked with a * symbol were reformulated as advised in the feedback received in autumn.
- Story cards marked with a + symbol were added when we looked through the stories during a meeting this semester before beginning to implement them.
- A list of deleted story cards is provided at the end of this section.
- Since we started developing we haven't changed any of our stories as we didn't see the need.

Our current story cards are as follows:

MUST (importance 10-7)

+10. As a customer, I should be able to order taxis through twitter. **DONE**

*10. As a new customer, I must be able to create an account (Name, Email, Twitter Handle, Phone Number), so that I can book twaxis. **DONE**

10. As an admin, I should have access to the list of all orders that the customers have tweeted us so I can operate.

10. As an admin, I should have access to the customer's account details so I can contact them if I need to. **DONE**

10. As an admin, I want to be able to add more operator accounts, so that other people can login and work for CalsCab.

*10. As a customer, I should be able to select one of the three tiers (Standard - 5 seats, Extra - 7 seats, Luxury - limo) of taxis so that I can choose which one is more suitable for my situation

10. As an admin, I can login to the website, so that I could manage the orders.

10. As an admin, I can move orders into different status, so that I can update what has happened with the order. (Sections: New Tweets, Incomplete orders, New orders, Taxi on route, Order Completed)

*10. As a customer, I want to be able to change my account details so that my information can be up to date when booking my next twaxi.

*9. As a user, I want to be notified with an error and re-enter my information if I have put incorrect details in. **DONE**

*8. As a customer, I want to have access to the information of my previous orders, so that I could keep track of my order history.

*8. As an admin, I should be able to check whether a user has an account. **DONE**

*7. As an admin, I want to be able to notify customers about the taxi tiers, so that I could use the available taxi resources.

7. As an admin, I should be able to generate marketing tweets, so that I can send out promotions.

SHOULD (importance 6-4)

6.As an admin, I should be able to tweet a sign up link to the new customers so they can start using our services.

6.As a customer, I should be able to change my password if I have forgotten my password so that I won't be locked out of my account.

*5.As a registered customer, I should be able to receive a tweet update on several situations (order booked, taxi *en route*, taxi arrived) so that I can know that my order has been processed.

5.As an admin, I should be able to specify which twaxi tier is required for every single order, so that I could manage my orders more effectively.

5.As an admin, I can mark tweets as spam, so that I can focus on replying to the real orders.

5.As an admin, I can send automated responses from the website which tweets at the user, so that I can deal with incoming orders quickly.

*4.As an admin, I should be able to send automated order update messages upon request of the customer so they would be informed about the status of their order.

COULD (importance 3-1)

3. As a customer, I should be able to tweet for an order update to find out where my twaxi is.

*3. As an admin, I should be able to monitor the tweets engagement, so that I can see how well the promotions are performing. (*significantly reduced priority of this story as client clarified that it is not essential*)

*3. As a site visitor, I want to be able to have access to the website using any reasonable browser with my mobile phone as well as desktop. (non-functional requirements)

*2. As an admin, before logging in I should be notified whether another admin is operating the system.

*2. As a customer, I should be able to easily find a link to a form for sending complaints and an official operator email address.

1. As an admin, I should be able to tweet at an account to tell them they have earned a promotion.

Deleted story cards:

- As an admin, I should do an error statistic monthly, so that I can find out what is the most frequent error.
- As an admin, I should be able to write simple text tutorials so the customer will be informed on how to use our services properly.
- As an admin, I should send emails with attached questionnaires to all customers monthly so that I can improve our services.
- As a site visitor, I want to be able to get back to the home page easily and quickly so I won't get lost while navigating through the website.
- As an admin, I would like the standard tier to be default, as it would save time.
- As a site visitor, I should have access to a simple tutorials page so that I will know how to use the service.

- As a customer, I should be able to tweet my pick up (Written or GPS on Twitter) and destination to Cal's Cab so that I can have a twaxi booking processed.

The cards above were removed as in the autumn semester feedback they were said to be incorrect or not useful.

Screenshot of our poor old layout:

User Stories This is a poor layout - hard to read and too many page turns inc. page breaks in the middle of stories

Customer book Taxi?

MUST	SHOULD	COULD	WON'T	
As an admin, I should have access to the list of all orders that the customers has tweeted us so I can operate. Acceptance Criteria: Admin should be able to have access to all	As a customer, I want to be able to change my details about my account so that my information can be up to date when booking my next twaxi. Acceptance Criteria: Customer	As an admin, I should be able to tweet a sign up link to the new customers so they can start using our services. Acceptance Criteria: Admin should be able to	As an admin, if another admin is logged on, there should be an error message so that I would know why access is denied. Acceptance Criteria: Error should be thrown	As an admin, I should send emails with attached questionnaires to all customers monthly so that I can improve our services. Acceptance Criteria: You will lose customers if you do this...



orders.	can update account details.	tweet new customers a sign up link to use our services.	when another admin tries to login when an admin is logged in.	Customers should receive emails on questionnaires on how the system can be improved
Difficulty: 1 2 3 5	Difficulty: 1 2 3 5	Difficulty: 1 2 3	Difficulty: 1 2 3	Difficulty: 1 2 3

3. Stories we focused on & our developing process

For the first iteration we focused on the 13 stories that the MUST list contains.

We paired up and tried peer programming agile development technique which proved being very useful. Our original team structure was as follows:

- Ali Mitha, XinYing Piao and Vineet Kumar Gupta – responsible for the website (html, css)
- Gabriele Barteskaite and Jordan Hale – responsible for the ruby program to work with Twitter
- Ziyang Lin and Helena Maria Wong – responsible for creating the database and thinking through its structure

After a few weeks of working this way, we figured it would be better to shift team members around instead of the structure above. Ziyang and Helena had finished writing the code for the database structure so they have moved on to help Ali and Jordan on the website and ruby program for twitter.

Ziyang and Helena have been meeting up regularly and performed pair programming, hence the majority of the commits are mainly from Helena.

Ali, Ziyang and Helena have worked together on the login for admin and customer accounts.

Helena has written the page for place an order, add new admin, and view incoming tweets and the admin home page once the admin has logged into their account. The place an order form saves the current orders into the database once submitted and add new admin saves the details of the admin into the database.

Ali worked on putting the data from the admin login and customer sign up page into the database. He worked with html forms a lot and making the structure of the website.

Ziyang worked on the orders history page and displaying all the orders of individual logged-in customer on that page. Ziyang also created 'view customers detail' page to display all the info of sd

Jordan wrote a code that saves tweets sent into the database. Unfortunately, Jordan has been ill with the mumps so he was unable to work on the project with us on the last week.

Xinying has been working on the general layout of the website including the CSS and basic html structure.

Gabriele has started working on the team report.

The roles changed because as we worked in a team we tried to figure out each others strengths and potential and put them to use.

We tried using Trello however we realised we didn't need it much as we would assign most tasks to each other in person. The lab and scheduled meeting attendance of all our team members this semester has been very good so far, most of the time all of us were present. If there was just one person missing they were contacted directly. Therefore, there was not much chatting done on Slack. We have been mainly posting only the general information that all team members should know.

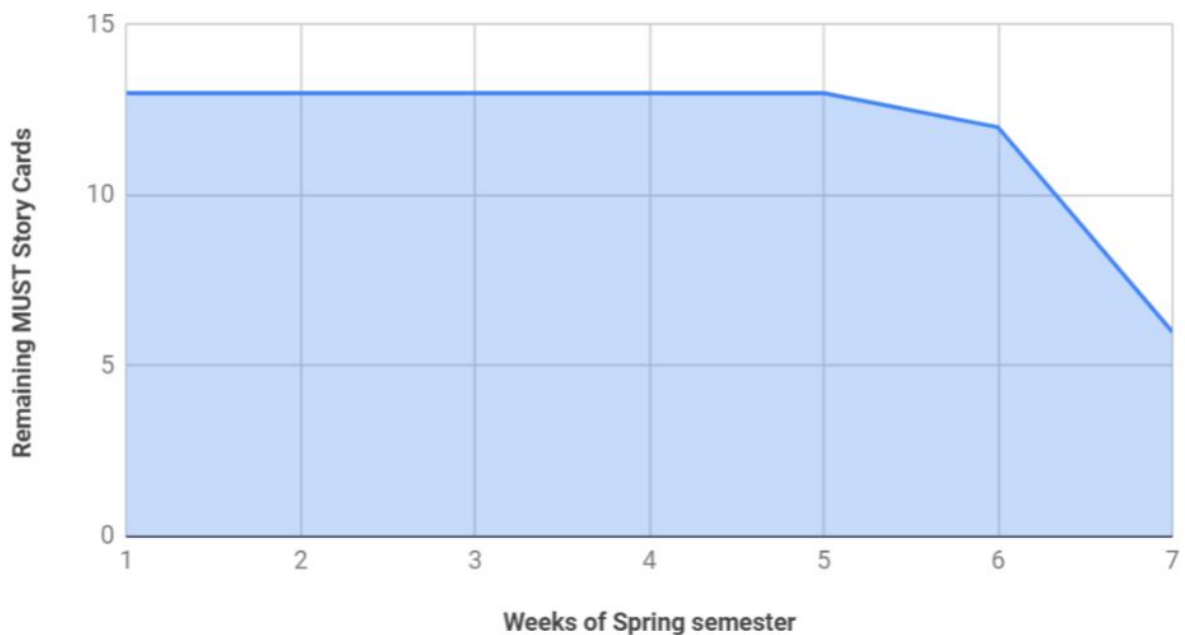
4. Burndown chart and tracking progress

This table summarises our progress on the 13 story cards from the MUST list we focused on for this iteration:

NOT STARTED	DOING	DONE
10. As a customer, I want to be able to change my account details so that my information can be up to date when booking my next twaxi. 7. As an admin, I want to be able to notify customers about the taxi tiers, so that I could use the available taxi resources.	*10. As a customer, I should be able to select one of the three tiers (Standard - 5 seats, Extra - 7 seats, Luxury - limo) of taxis so that I can choose which one is more suitable for my situation 8. As a customer, I want to have access to the information of my previous orders, so that I	10. As a customer, I should be able to order taxis through twitter. 10. As a new customer, I must be able to create an account (Name, Email, Twitter Handle, Phone Number), so that I can book twaxis.

<p>7. As an admin, I should be able to generate marketing tweets, so that I can send out promotions.</p> <p>10. As an admin, I can move orders into different status, so that I can update what has happened with the order. (Sections: New Tweets, Incomplete orders, New orders, Taxi on route, Order Completed)</p>	<p>could keep track of my order history.</p>	<p>10. As an admin, I should have access to the customer's account details so I can contact them if I need to.</p> <p>9. As a user, I want to be notified with an error and re-enter my information if I have put incorrect details in.</p> <p>8. As an admin, I should be able to check whether a user has an account.</p> <p>10. As an admin, I should have access to the list of all orders that the customers have tweeted us so I can operate.</p> <p>10. As an admin, I can login to the website, so that I could manage the orders.</p>
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BURNDOWN CHART

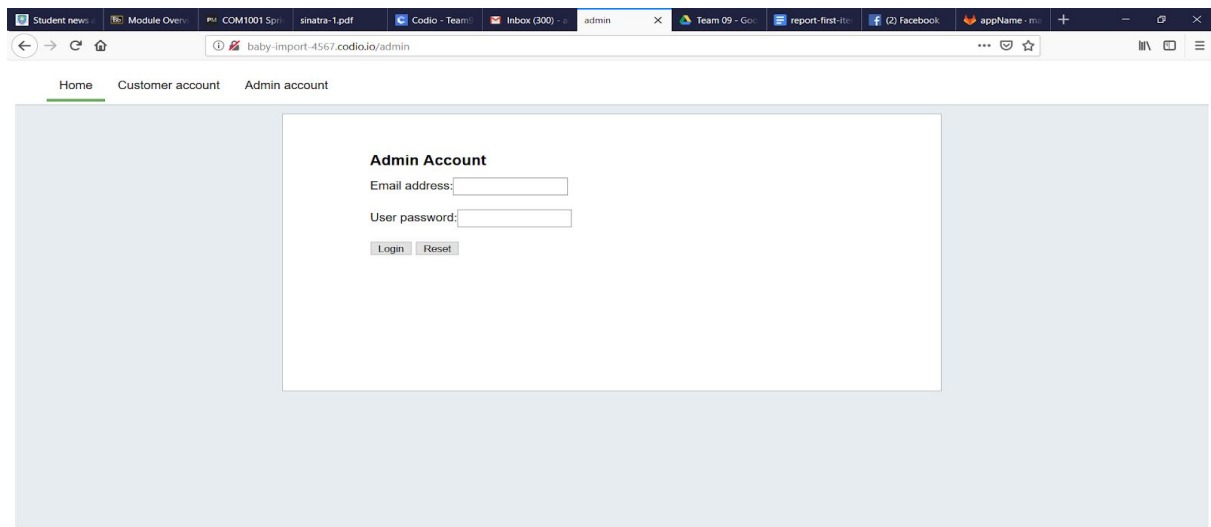


5. Testing and test coverage

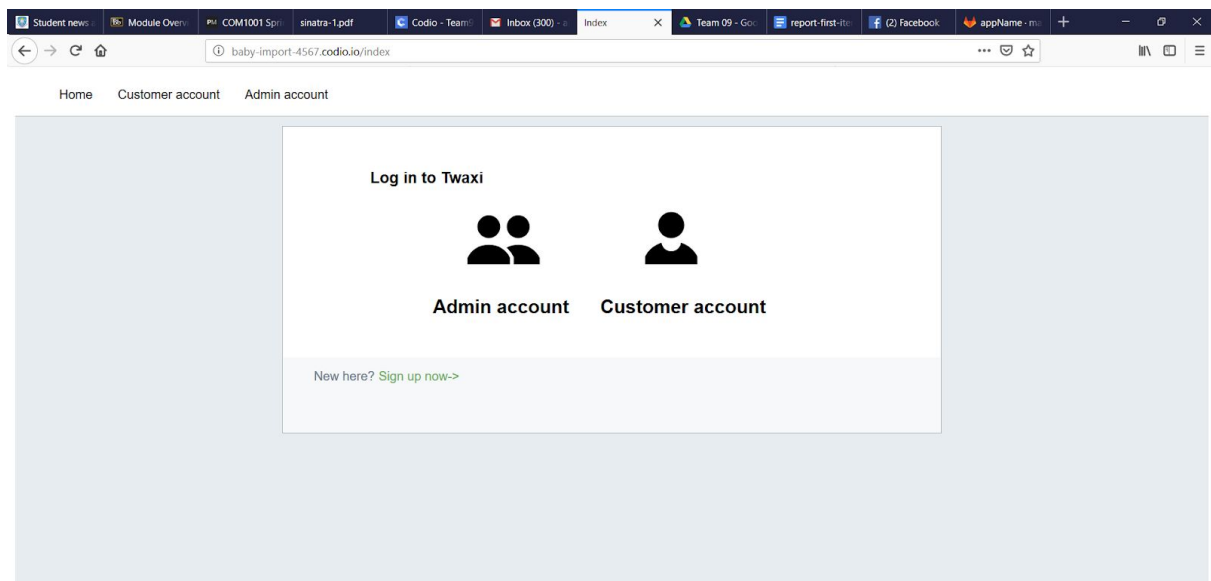
We have been conducting manual tests as we are writing each page.

1. Testing if the home button works:

Starting at the admin page:

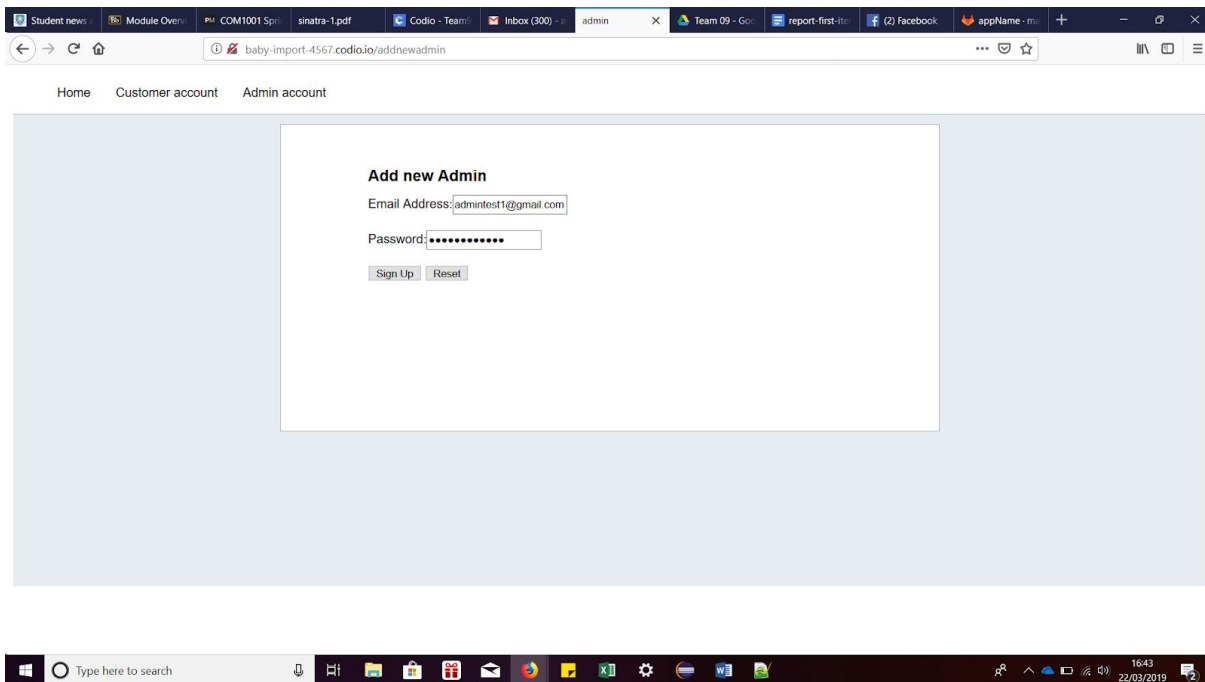


After the 'Home' button is pressed in the top left hand corner the website returns to the homepage:

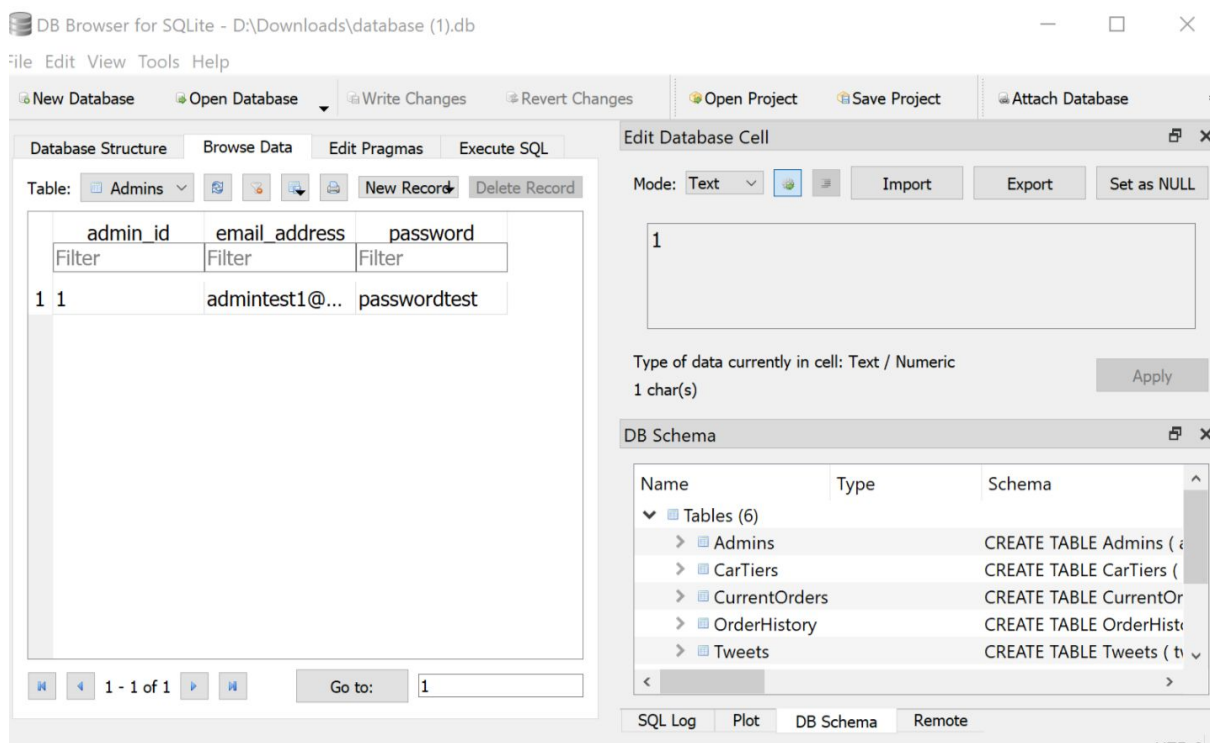


The url in the above screenshot changes from <http://baby-import-4567.codio.io/admin> to <http://baby-import-4567.codio.io/index> showing that it returns to the homepage.

2. Testing that we can add a new admin:



Once 'Sign Up' is pressed the new admin account appears in the database as show in the following image:



3. Testing that we can place an order:

Data inputted into the form:

Home Customer account Admin account

Place an order

Twitter Handle:

Pick Up Location:

Destination:

Time:

Tier ID:

Key for Tiers:

- 1 - Standard
- 2 - Extra
- 3 - Luxury

After the 'Submit' button is pressed the data inputted into the form appears in the database.

DB Browser for SQLite - D:\Downloads\database (1).db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

Table: CurrentOrders

	user_id	pick_up	destination	time	tier_id
	Filter	Filter	Filter	Filter	Filter
1	1	s10 3ew	s23 fe23	2019-03-19T...	1

New Record Delete Record

Go to: 1

1 - 1 of 1

Mode: Text

Import Export Set as NULL

2019-03-19T22:23

Type of data currently in cell: Text / Numeric
16 char(s)

Apply

DB Schema

Name	Type	Schema
Tables (6)		
Admins	CREATE TABLE Admins (
CarTiers	CREATE TABLE CarTiers (
CurrentOrders	CREATE TABLE CurrentOr	
OrderHistory	CREATE TABLE OrderHist	
Tweets	CREATE TABLE Tweets (t	

SQL Log Plot DB Schema Remote

UTF-8