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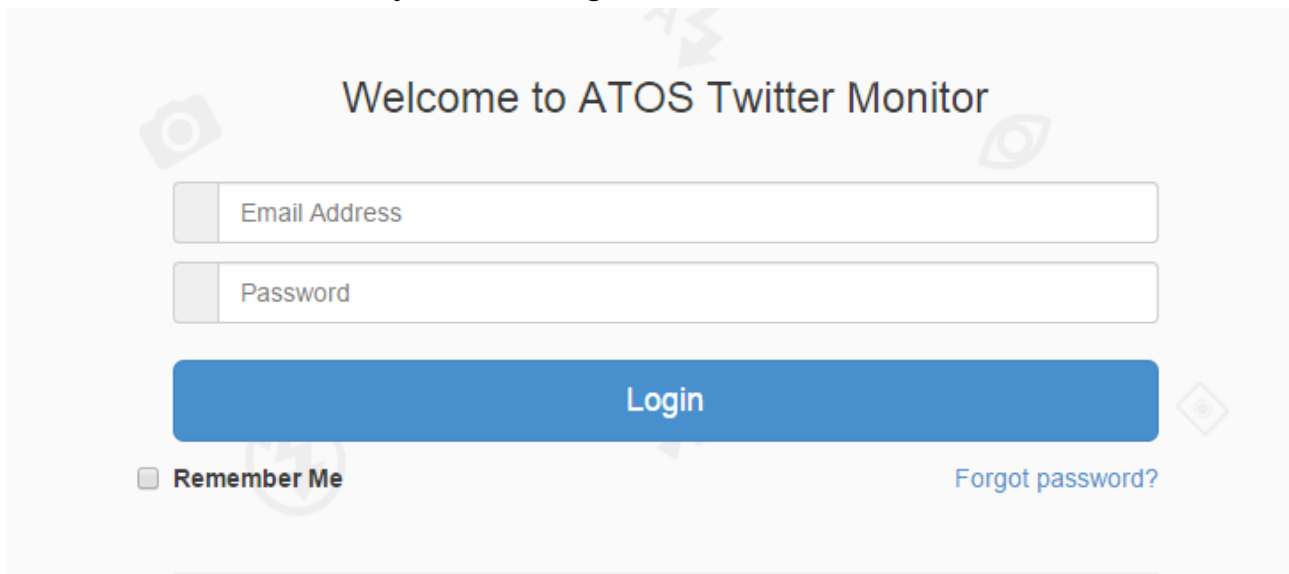
Application endpoint:

The application can be accessed via the URL below:

<https://atosrail.azurewebsites.net/>

Log-in:

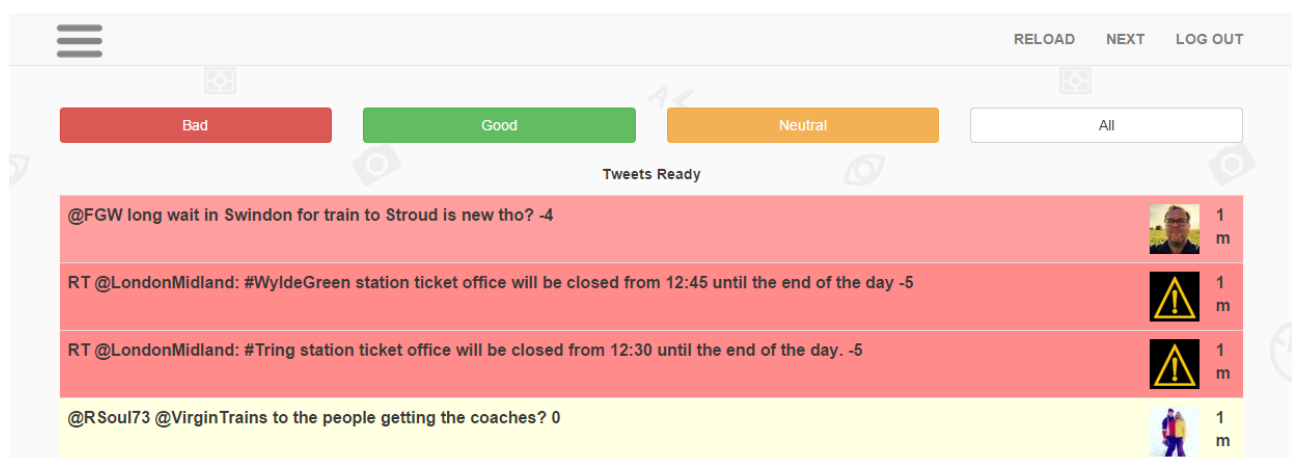
After accessing the website the user needs to enter their credentials provided by the system admin/manager. There is no sign up option as this is a private application and thus the user must already have the log-in details beforehand.



The login form is titled "Welcome to ATOS Twitter Monitor". It contains two input fields: "Email Address" and "Password". Below these fields is a blue "Login" button. To the left of the button is a checkbox labeled "Remember Me". To the right of the button is a link labeled "Forgot password?".

Features of the application:

All the functions of the application is is available on the top of the screen.



The main interface of the application shows a top navigation bar with a hamburger menu icon on the left and "RELOAD", "NEXT", and "LOG OUT" buttons on the right. Below the navigation bar are three colored buttons: "Bad" (red), "Good" (green), and "Neutral" (orange). To the right of these buttons is a search bar with the text "All". Below the buttons is a section titled "Tweets Ready". This section contains a list of tweets, each with a text preview, a profile picture, and a timestamp. The first three tweets are highlighted in red and have a yellow warning icon. The fourth tweet is highlighted in yellow and has a blue icon.

Tweet Text	Profile Picture	Timestamp
@FGW long wait in Swindon for train to Stroud is new tho? -4	[Profile Picture]	1 m
RT @LondonMidland: #WyldeGreen station ticket office will be closed from 12:45 until the end of the day -5	[Warning Icon]	1 m
RT @LondonMidland: #Tring station ticket office will be closed from 12:30 until the end of the day. -5	[Warning Icon]	1 m
@RSoul73 @VirginTrains to the people getting the coaches? 0	[Profile Picture]	1 m

Top-left corner:

On the top left hand corner we have the settings button. This will re-direct the user to the settings page where they can change the tweet parameters as they wish.




Top-right corner:

On the top right corner there are three options: “RELOAD”, “NEXT”, “LOG OUT”.




The reload button refreshes the page and fetches a new batch of the latest 100 tweets. This is to be used when the user has finished inspecting the current set of tweets and wants to look at the new ones.

The next button refreshes the page and displays a set of 100 tweets. These 100 tweets are the one that were tweeted immediately before the last tweet in the current page. So if the last tweet on this page was 40 minutes ago, clicking the refresh button would show 100 more tweets which were tweeted more than 40 minutes ago.

Last tweets on current page:

@c2c_Rail fully appreciate that. I was thinking detailed leaflets put back out. I ask politely and just get verbal -1		28 m
@LondonMidland thanks guys 0		29 m
RT @EMTrains: #EMTUpdate: Emergency services are on site. There is currently no estimate on when the lines will reopen #Brandon http://t.co/... -4		29 m

First tweets on the page loaded after clicking “NEXT”:

ALAN TELLS U IF U TURN UP LATE IN MILTON KEYNES WITH HIS TAXI DON'T BOTHER SERVING HIM AGAIN http://t.co/E1ZvW6YJSD #London #virgintrains 0		30 m
RT @VirginTrains: Happy Birthday #QueenElizabeth! As a present we're sending you the link to the Senior Railcard, enjoy! - http://t.co/Vf6S... -2		31 m
RT @LondonMidland: @will_mchugh96 That is so insensitive, and uncalled for. -2		31 m




The “LOG OUT” will re-direct the user to the log-in page and the user will have to re-enter their details to gain access to the application again.

Middle:

In the middle we have 4 buttons: “BAD”, “GOOD”, “NEUTRAL”, “ALL”






Bad:

When clicked it will re-direct the user to a page where the only available tweets are the ones with a negative sentiment. These tweets are gathered from the set of 100 tweets initially fetched.

RT @VirginTrains: Happy Birthday #QueenElizabeth! As a present we're sending you the link to the Senior Railcard, enjoy! - http://t.co/Vf6S... -2		31 m
RT @LondonMidland: @will_mchugh96 That is so insensitive, and uncalled for. -2		31 m
RT @LiamBruce1: @OneMinuteBriefs @VirginTrains Go off road #Trains http://t.co/XGcx24BvG8 -2		31 m






Good:

When clicked it will re-direct the user to a page where the only available tweets are the ones with a positive sentiment. These tweets are gathered from the set of 100 tweets initially fetched.

Off to the Capital... Relaxation! #gloves #dumaurier #vodka #virgintrains #London #vintagelady... https://t.co/1QIUzv9yu 1		34 m
@FGW thanks 1		36 m
@FGW can you please give me the address to write to mark hopwood many thanks 1		37 m
@chrisfootyfan @VirginTrains good on you Chris, thanks for choosing Virgin Trains! 1		38 m
@hrefnahelga @alexhacked @nationalrailenq I always take the bus from Luton and yes it takes a while. Not sure about Gatwick though. 1		39 m




Neutral:

When clicked it will re-direct the user to a page where the only available tweets are the ones with a neutral sentiment, i.e. neither positive or negative. These tweets are gathered from the set of 100 tweets initially fetched.

ALAN TELLS U IF U TURN UP LATE IN MILTON KEYNES WITH HIS TAXI DON'T BOTHER SERVING HIM AGAIN http://t.co/E1ZvW6YJSD #London #virgintrains 0		30 m
@VirginTrains I was indeed 😊 0		37 m
@FGW is it correct they will email me a refund form and then I need to rebook the tickets? Why cant i just do it all over the phone? 0		43 m
@VirginTrains They are indeed 0		43 m
@HrefnaHelga @nationalrailenq by bus? 0		43 m

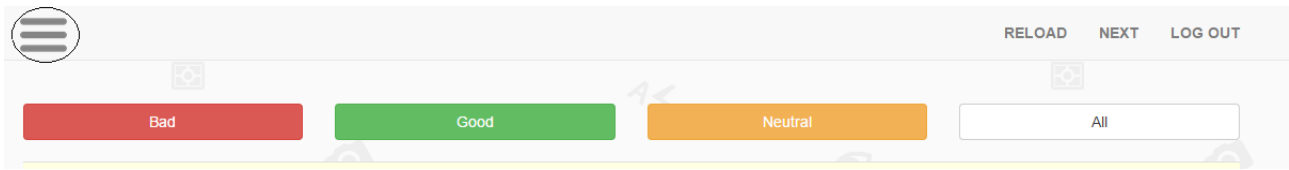
All:

When clicked it will re-direct the user to a page where the initial 100 tweets are visible in the order that they were fetched. The purpose of this button is to be able to let the user come back to the initial 100 tweets from the “BAD”, “GOOD” or “NEUTRAL” page. If the user clicks on this button while being on the home page (Home page being defined as the page seen immediately after log-in or reload or next) it will have no effect.

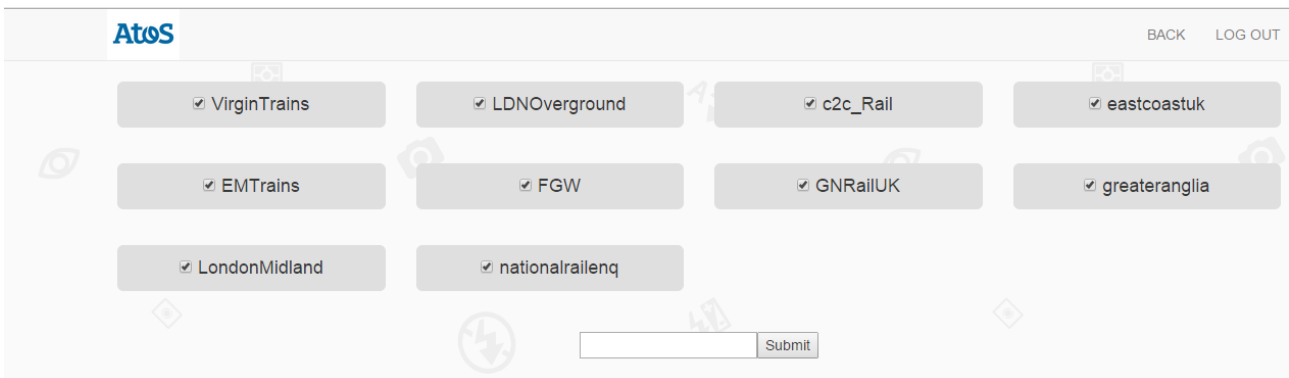
ALAN TELLS U IF U TURN UP LATE IN MILTON KEYNES WITH HIS TAXI DON'T BOTHER SERVING HIM AGAIN http://t.co/E1ZvW6YJSD #London #virgintrains 0		30 m
RT @VirginTrains: Happy Birthday #QueenElizabeth! As a present we're sending you the link to the Senior Railcard, enjoy! - http://t.co/Vf6S... -2		31 m
RT @LondonMidland: @will_mchugh96 That is so insensitive, and uncalled for. -2		31 m

Settings:

The settings page can be accessed via clicking the top-right corner button.



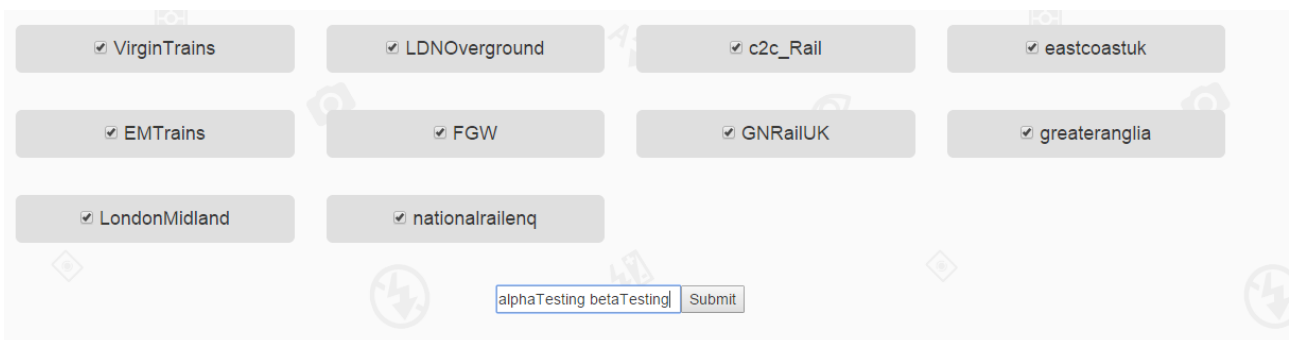
After clicking on the button the user will be re-directed to the following page:



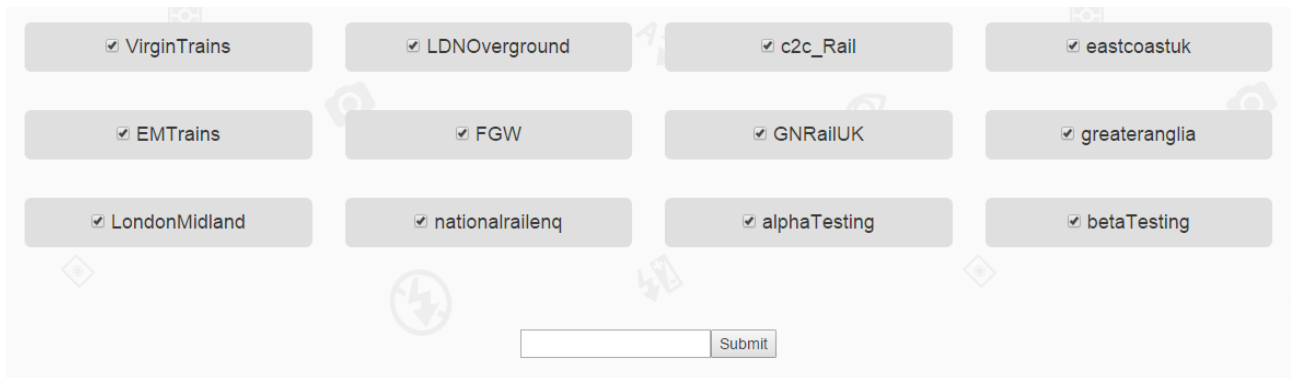
The “BACK” button on the top right corner will take the user back to the home-page and the “LOG OUT” button will log the user out of the system and take them to the login page.

Add new topics:

To add a new topic the user must write it in the text box. It is possible to add multiple topics at once and the user must space delimit these name. For example, if I want to add “alphaTesting” and “betaTesting” to the set of tweets I want to follow I will write the folloeing in the text box and press submit: “alphaTesting betaTesting”.



Upon clicking submit the two new topics will be immediately added to the set of tweets.



<input checked="" type="checkbox"/> VirginTrains	<input checked="" type="checkbox"/> LDNOverground	<input checked="" type="checkbox"/> c2c_Rail	<input checked="" type="checkbox"/> eastcoastuk
<input checked="" type="checkbox"/> EMTrains	<input checked="" type="checkbox"/> FGW	<input checked="" type="checkbox"/> GNRailUK	<input checked="" type="checkbox"/> greateranglia
<input checked="" type="checkbox"/> LondonMidland	<input checked="" type="checkbox"/> nationalrailenq	<input checked="" type="checkbox"/> alphaTesting	<input checked="" type="checkbox"/> betaTesting

It is important to note that no # or @ should be put in the text box. This is because the application will take each individual word in the setting page and automatically look for #word @word.

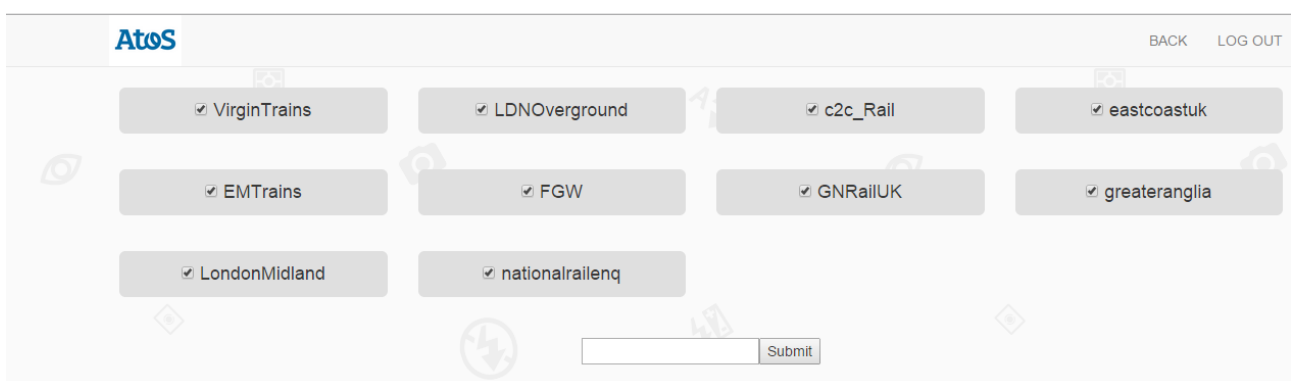
Delete existing topics:

To delete any entry from the settings page un-tick the arrow inside the grey box that contains both the word and the arrow.



<input checked="" type="checkbox"/> VirginTrains	<input checked="" type="checkbox"/> LDNOverground	<input checked="" type="checkbox"/> c2c_Rail	<input checked="" type="checkbox"/> eastcoastuk
<input checked="" type="checkbox"/> EMTrains	<input checked="" type="checkbox"/> FGW	<input checked="" type="checkbox"/> GNRailUK	<input checked="" type="checkbox"/> greateranglia
<input checked="" type="checkbox"/> LondonMidland	<input checked="" type="checkbox"/> nationalrailenq	<input type="checkbox"/> alphaTesting	<input type="checkbox"/> betaTesting

Now click on the either one of the un-ticked boxes and the page will refresh and delete those entries.



<input checked="" type="checkbox"/> VirginTrains	<input checked="" type="checkbox"/> LDNOverground	<input checked="" type="checkbox"/> c2c_Rail	<input checked="" type="checkbox"/> eastcoastuk
<input checked="" type="checkbox"/> EMTrains	<input checked="" type="checkbox"/> FGW	<input checked="" type="checkbox"/> GNRailUK	<input checked="" type="checkbox"/> greateranglia
<input checked="" type="checkbox"/> LondonMidland	<input checked="" type="checkbox"/> nationalrailenq		

Both adding and deleting multiple tweets can be done in the same time. In this case un-tick all the entries that the user wants deleted and write the new topics in the text-box and click submit. This will delete all the chosen entries and add the new ones.