

Database CRUD Functionality Testing.

1. Create new user account.

Check to see if new user correctly appears in the users database in MongoDB.

Users can use the navbar at the top of the page to navigate to the Sign up page.



On the sign up page users can enter the details requested on the sign up form to create a account with Air Town.

A sign-up form titled 'Sign Up with Air Town!' in a large, stylized, white font with a red outline. The form is set against a background of a city skyline at night. The form fields are: Username (filled with 'WillSmith'), Firstname (filled with 'Will'), Lastname (filled with 'Smith'), and Password (filled with '*****'). Each field has a small icon to its left and a red lock icon to its right. Below the fields is a red 'Sign Up' button. Below the button is the text 'Already have an account with Air Town ?' and a 'Log In' link.

In the above image you can see I have already taken the liberty to fill in Will Smith's account details.

Username : WillSmith

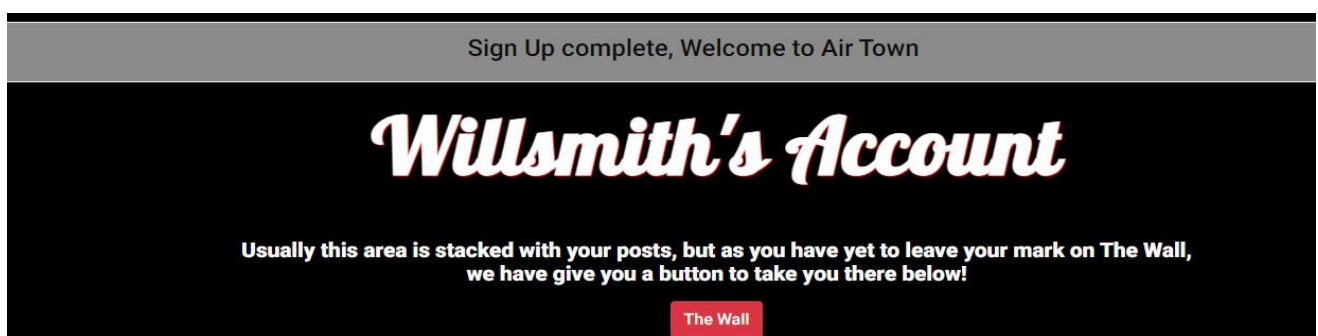
Firstname : Will

Lastname : Smith

Password : *****

Users can click the red "Sign Up" button to create the account, assuming the details are valid and inline with the form requirements, Users will be automatically redirected to their new account page.

Users will constantly receive feedback at the top of the page in a closable grey box.



To confirm the account was created successfully I accessed the MongoDB collection and checked the users database.

```
_id: ObjectId("608456e0db0f47879a9652b5")
username: "willsmith"
firstname: "will"
lastname: "smith"
password: "pbkdf2:sha256:150000$88jzwe9d$e4ceb98ecc2aba201b2402cb6b50145cbc9769e6..."
```

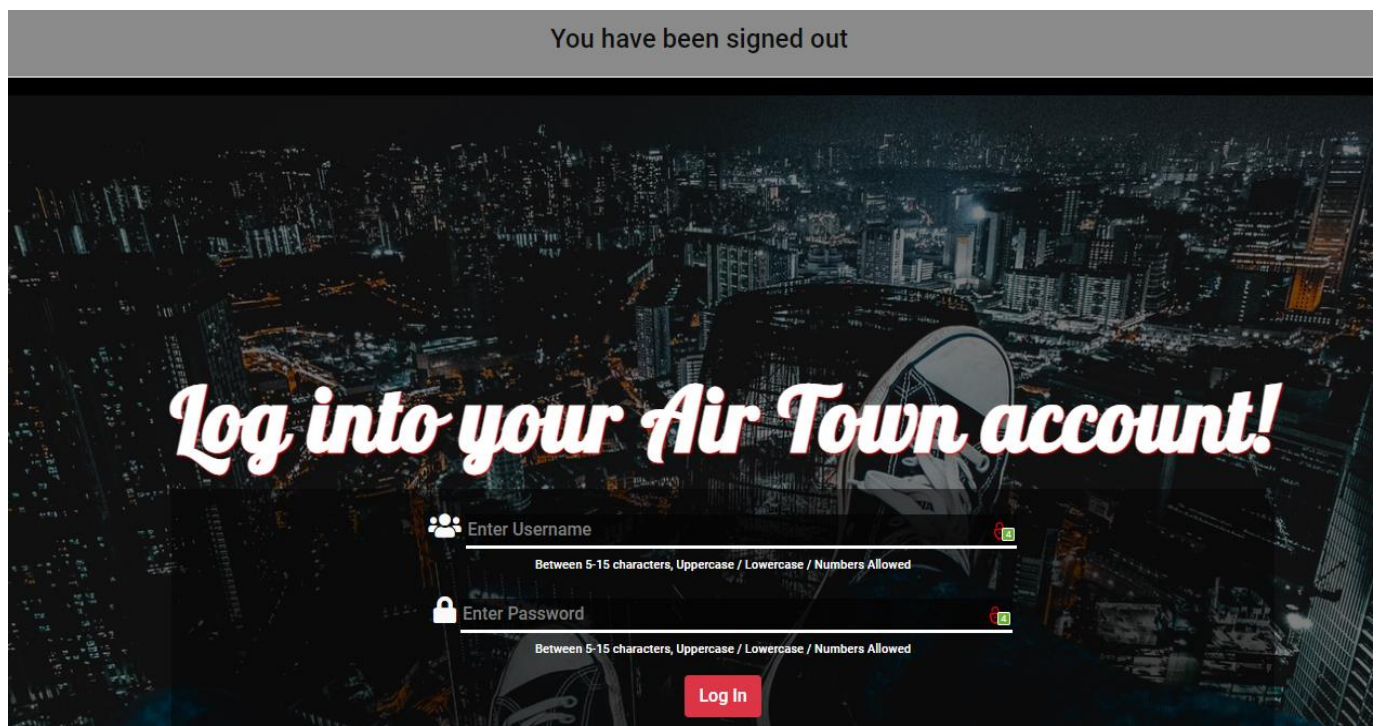
As you can see above, the account has correctly appeared in the database, with the fields matching.

2. If after creating an account I am signed in, I will sign out and try to log back in to check for any errors.



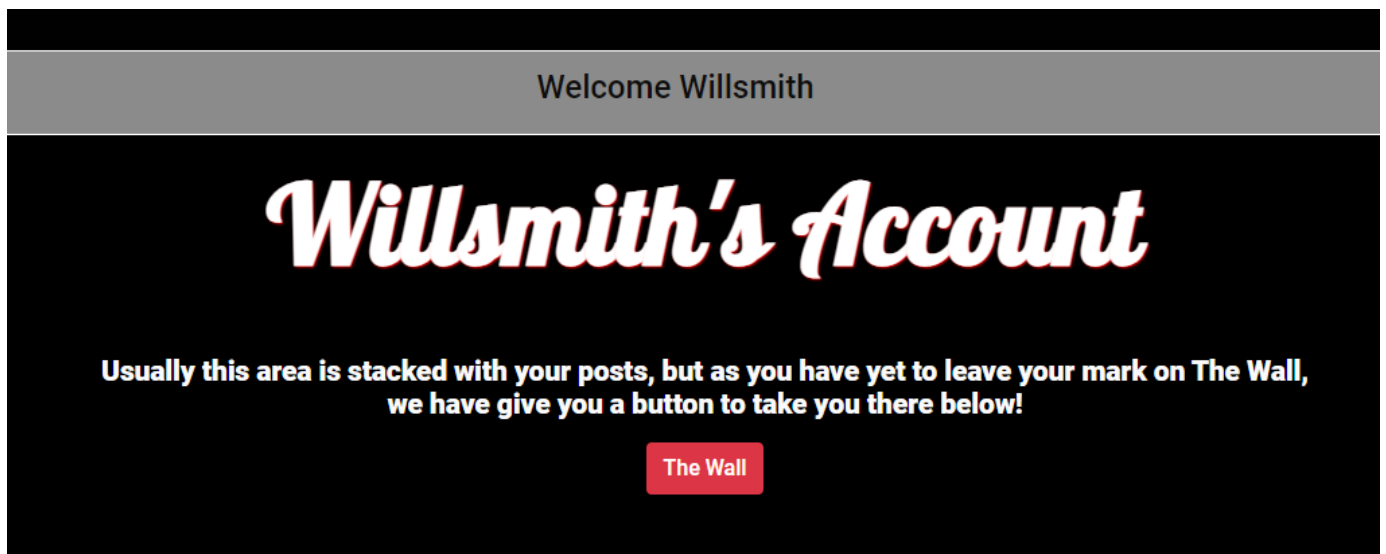
As you can see, with a user signed in, the navbar has updated with the Log in / Sign Up links replaced with Account / Sign Out.

Clicking the Sign out link will log the current user in session out.



The signed out user has a message at the top to let them know they have been signed out. And have been redirected to the Log in Page.

If users sign back into the account with the correct Username and Password, they will automatically be redirected to their Account page, this time with a new message, welcoming the user by their Username.



3. [Create a post on the wall.](#)

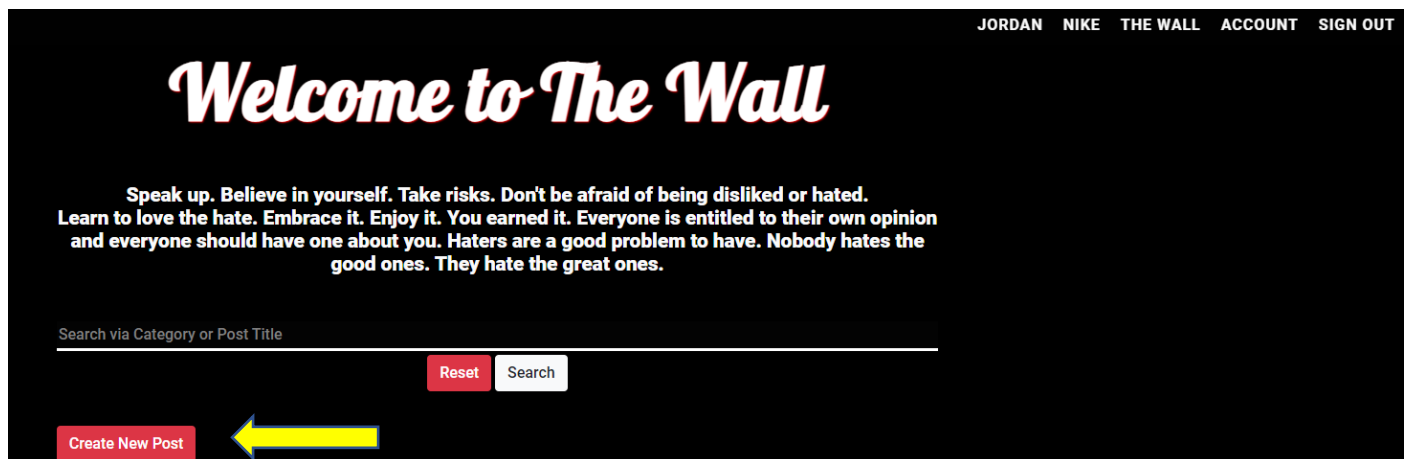
[Check to see if the post correctly appears in the posts database in MongoDB.](#)

Users can navigate to the Wall page by either clicking the button on there account page, or by using the navbar and clicking “The Wall” link.

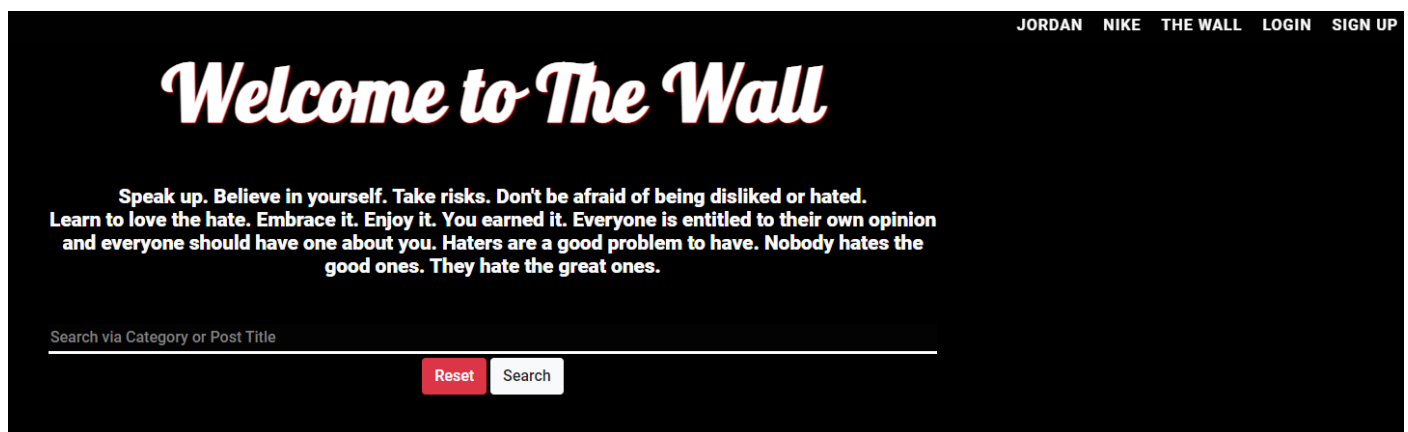


Signed in Users will have the option to create a new post via the red button, whereas users not signed in will not have the option.

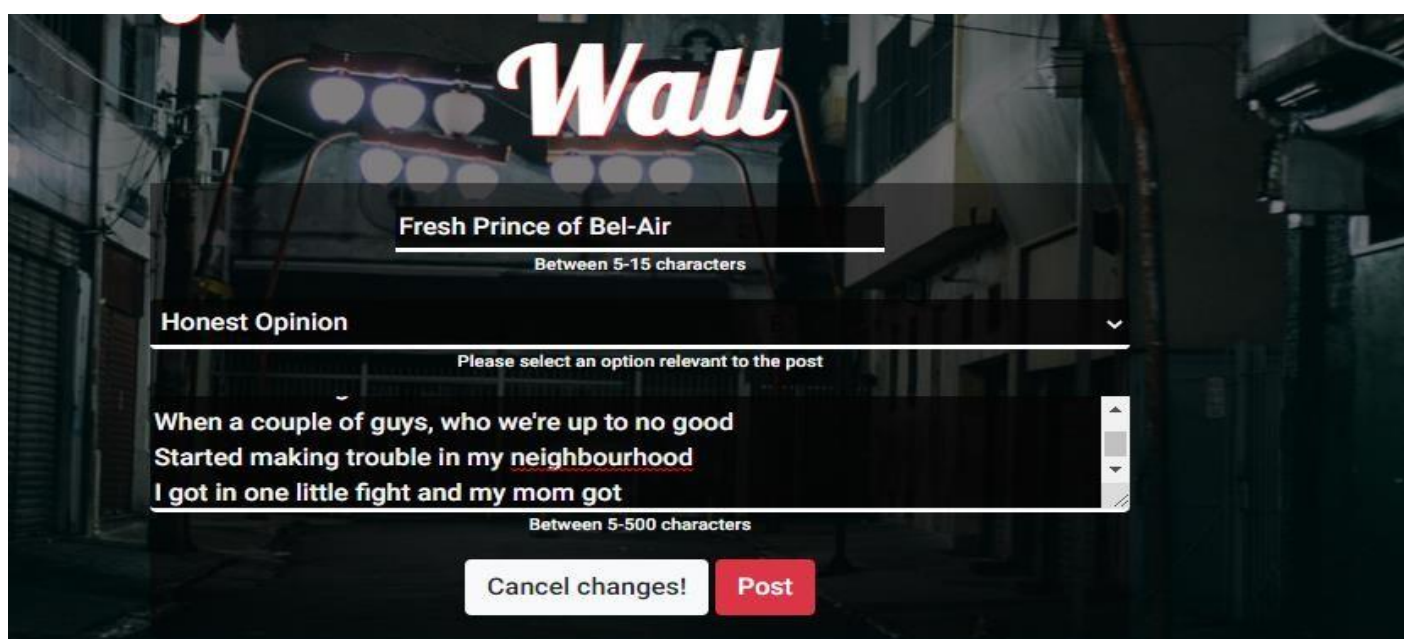
User Signed in with button.



User not Signed in with no button.



Clicking the “Create New Post” button will redirect the user to the New post page.



As you can see in the above picture, I have filled in the input fields.

Post Title : Fresh Prince of Bel Air

Category : Honest Opinion

Post Content : Theme tune lyrics

Small disclaimer, due to a cap on the maximum characters aloud per post, not all the lyrics are written in the post.

Users can click the “Post” button to submit the post to the wall.

User can click the “Cancel Changes!” button to cancel and be returned to the Wall Page.

After submitting you can see the post has correctly shown on the Wall page. With a message at the top to provide the User with confirmation the post was successfully made.

Sucessfully posted on The Wall

Welcome to The Wall

Speak up. Believe in yourself. Take risks. Don't be afraid of being disliked or hated. Learn to love the hate. Embrace it. Enjoy it. You earned it. Everyone is entitled to their own opinion and everyone should have one about you. Haters are a good problem to have. Nobody hates the good ones. They hate the great ones.

Search via Category or Post Title

Reset

Search

Create New Post

Posted by Willsmith on 28 April 2021 - 18:41:55

Fresh Prince of Bel-Air - Honest Opinion

Now this is the story all about how My life got flipped, turned upside down And i'd like to take a minute, just sit right there I'll tell you how I became the prince of a town called Bel-Air In West Philadelphia born and raised On the playground is where I spent most of my days Chilling out, maxing, relaxing all cool And all shooting some b-ball outside of the school When a couple of guys, who we're up to no good Started making trouble in my neighbourhood I got in one little fight and my mom got

Edit Post

Delete Post

As we can see the post has correctly shown up in our posts database in MongoDB.

air_town

- categories
- posts
- users

task_manager

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

FILTER {"filter": "example"}

QUERY RESULTS 1-4 OF 4

```
> {
  "_id": ObjectId("608821be9eaffd3f142d1ce"),
  "post_author": "raizlee",
  "post_date": "27 April 2021 - 14:37:50",
  "post_title": "My Air Jordan 1 Review",
  "category_name": "Simple Review",
  "post_content": "Gotta say I finally succumbed to the hype and decided to invest in a p..."
}
```

```
{
  "_id": ObjectId("608830cc5be5ce816cd651e"),
  "post_author": "harry",
  "post_date": "27 April 2021 - 15:42:53",
  "post_title": "Kobe 5's Bruce Lee",
  "category_name": "Humble Brag",
  "post_content": "So I woke up and just saw that Nike won't be selling anymore of Kobe's..."
}
```

```
{
  "_id": ObjectId("6088434ddf6089513219d2a1"),
  "post_author": "heyimyoshyy",
  "post_date": "27 April 2021 - 17:01:01",
  "post_title": "I hate Air Force 1's :( ",
  "category_name": "Honest Opinion",
  "post_content": "I have brought 3 pairs of Air Force 1's of over the years and every t..."
}
```

```
{
  "_id": ObjectId("60889ac733bd065c1bd91e23a"),
  "post_author": "willsmith",
  "post_date": "28 April 2021 - 18:41:55",
  "post_title": "Fresh Prince of Bel-Air",
  "category_name": "Honest Opinion",
  "post_content": "Now this is the story all about how My life got flipped, turned upsid..."
}
```

4. Edit the post.

Check to see if the posts is correctly edited and updated in the posts database in MongoDB.

Users signed in when on the wall page will have the option of editing and deleting their posts.

Posted by Willsmith on 28 April 2021 - 18:41:55

Fresh Prince of Bel-Air - Honest Opinion

Now this is the story all about how My life got flipped, turned upside down And I'd like to take a minute, just sit right there I'll tell you how I became the prince of a town called Bel-Air In West Philadelphia born and raised On the playground is where I spent most of my days Chilling out, maxing, relaxing all cool And all shooting some b-ball outside of the school When a couple of guys, who we're up to no good Started making trouble in my neighbourhood I got in one little fight and my mom got

Edit Post Delete Post

Posted by Heyimyoshyy on 27 April 2021 - 17:01:01

I hate Air Force 1's :(- Honest Opinion

I have brought 3 pairs of Air Force 1's of over the years and every time I try to give them a chance and in the end I just end up hating them and being annoyed with myself for even wasting my money. I find them big and clunky, and I always have a crease that develops that makes them look even worse over a period of time. Gunna stick to my Nike Cortez, stylish and elegant.

Posted by Harry on 27 April 2021 - 15:42:53

Kobe 5's Bruce Lee - Humble Brag

So I woke up and just saw that Nike won't be selling anymore of Kobe's shoes. Gotta say I am really disappointed with Nike not being able to get a deal sorted. And for them to discontinue selling Kobe's. I while back I brought a pair of Kobe 5's with the Black and Yellow Bruce Lee Inspires colorway, have worn them a couple of times but after the news, i'm gunna get the these boys wrapped and put on a shelf. RIP Kobe Bryant and Gigi Bryant.

Posted by Raizlee on 27 April 2021 - 14:37:50

My Air Jordan 1 Review - Simple Review

Gotta say I finally succumbed to the hype and decided to invest in a pair of Retro Jordan 1's. Don't have to ask I went with the original Red/Black/White. They are very very comfortable and I have to say I get some smile when people see me with them on. I will mention though, we are currently in the Summer season and they do get extremely hot, the ventilation is pretty poor with some small perforated holes.

User can click the “Edit Post” button to edit their post. This will take them to the edit post page.

The edit post initially will have the fields set with input from the post the user made previously.

Editing your post huh !?

Fresh Prince of Bel-Air
Between 5-50 characters

Honest Opinion ▼

Please select an option relevant to the post

Now this is the story all about how
My life got flipped, turned upside down
And I'd like to take a minute, just sit right there

Between 5-500 characters

[Cancel changes!](#) [Edit Post!](#)

User can change the posts entirely with a new title and contents.

Editing your post huh !?

The Wild Wild West.
Between 5-50 characters

Humble Brag ▼

Please select an option relevant to the post

"Will Smith is a actor"

Between 5-500 characters

[Cancel changes!](#) [Edit Post!](#)

As you can see above the post has been edited with a new title, category and contents.

Post Title : The Wild Wild West

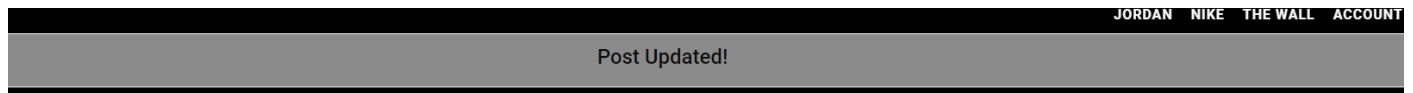
Category : Humble Brag

Post Contents : “Will Smith is a actor”

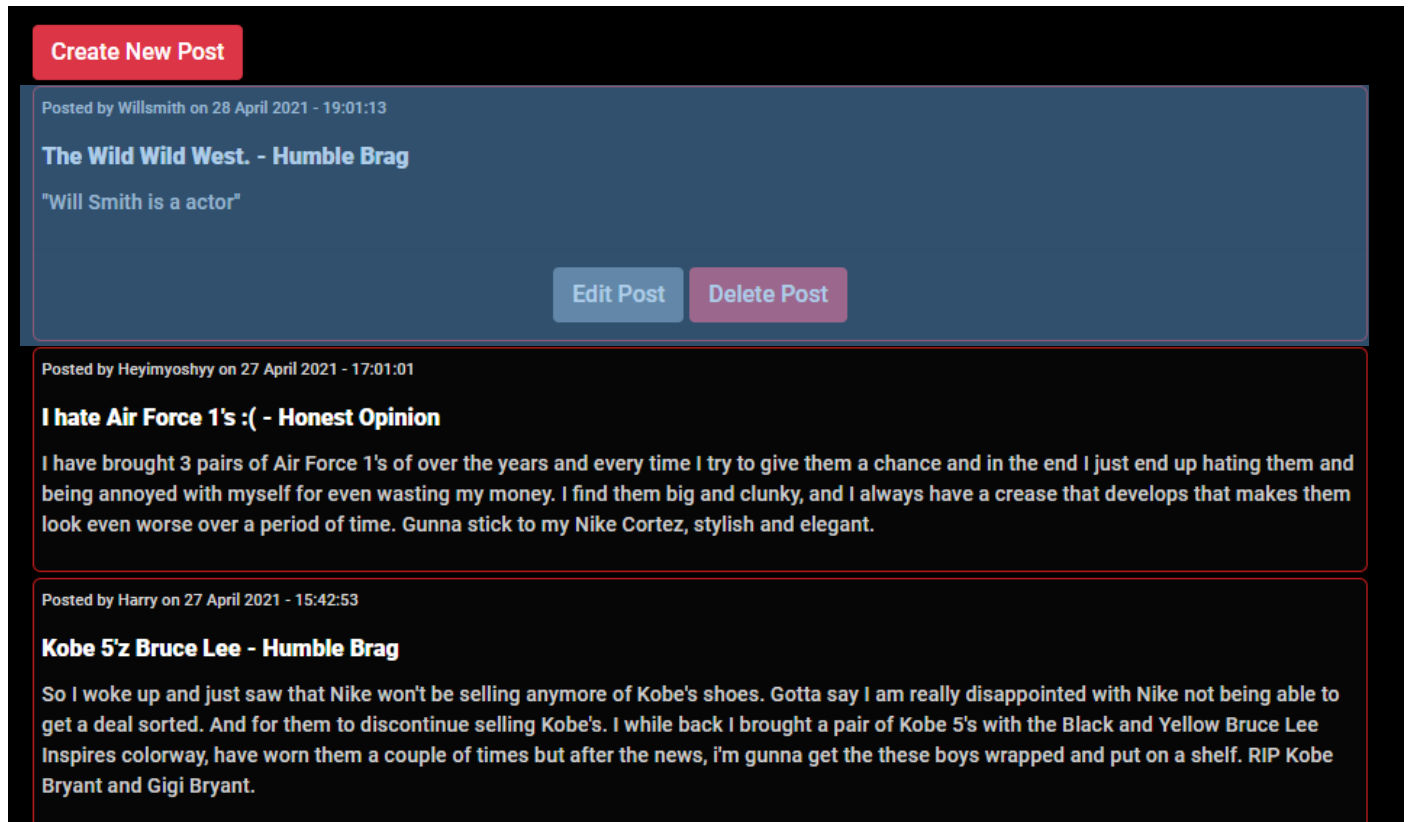
User can click the “Edit Post” button to submit their changes.

User can click the “Cancel Changes” button to cancel the edit.

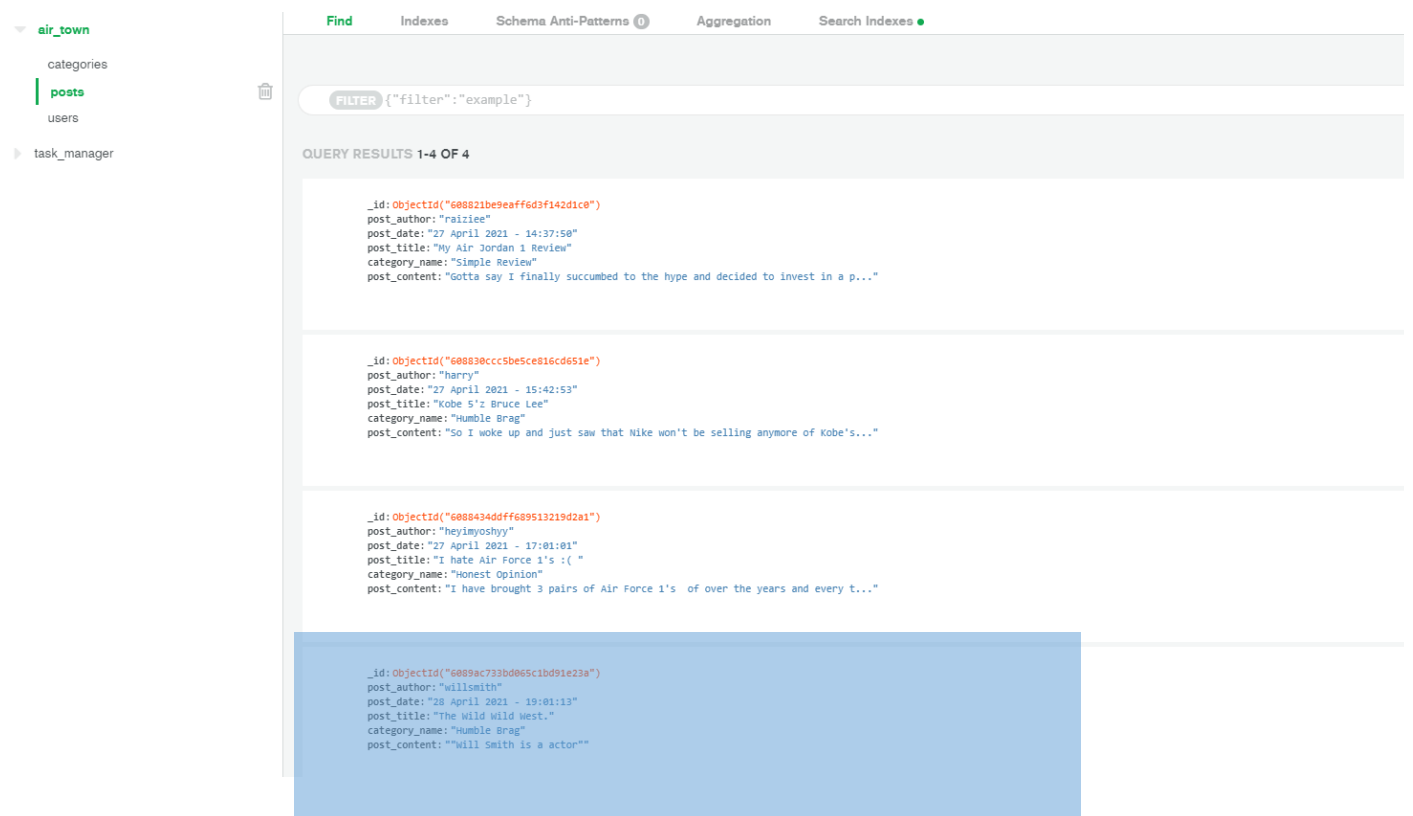
Once submitted the user will be updated with a confirmation at the top of the page.



The edited post correctly is shown on the wall page.



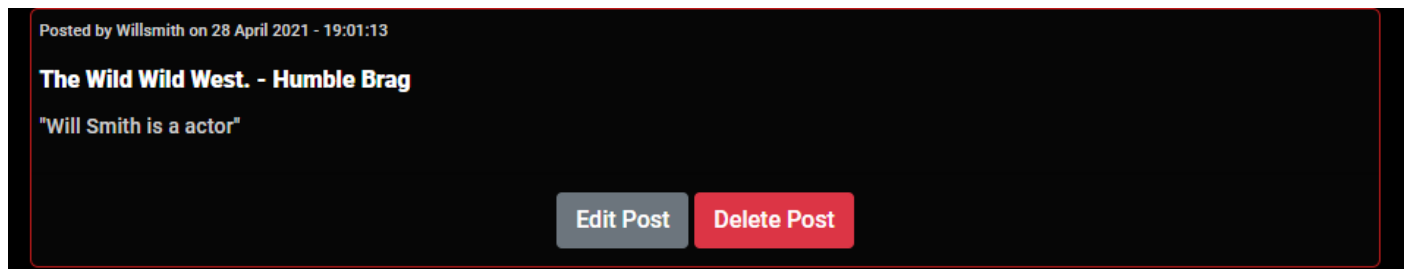
As we can see the post has correctly updated in the posts database in MongoDB.



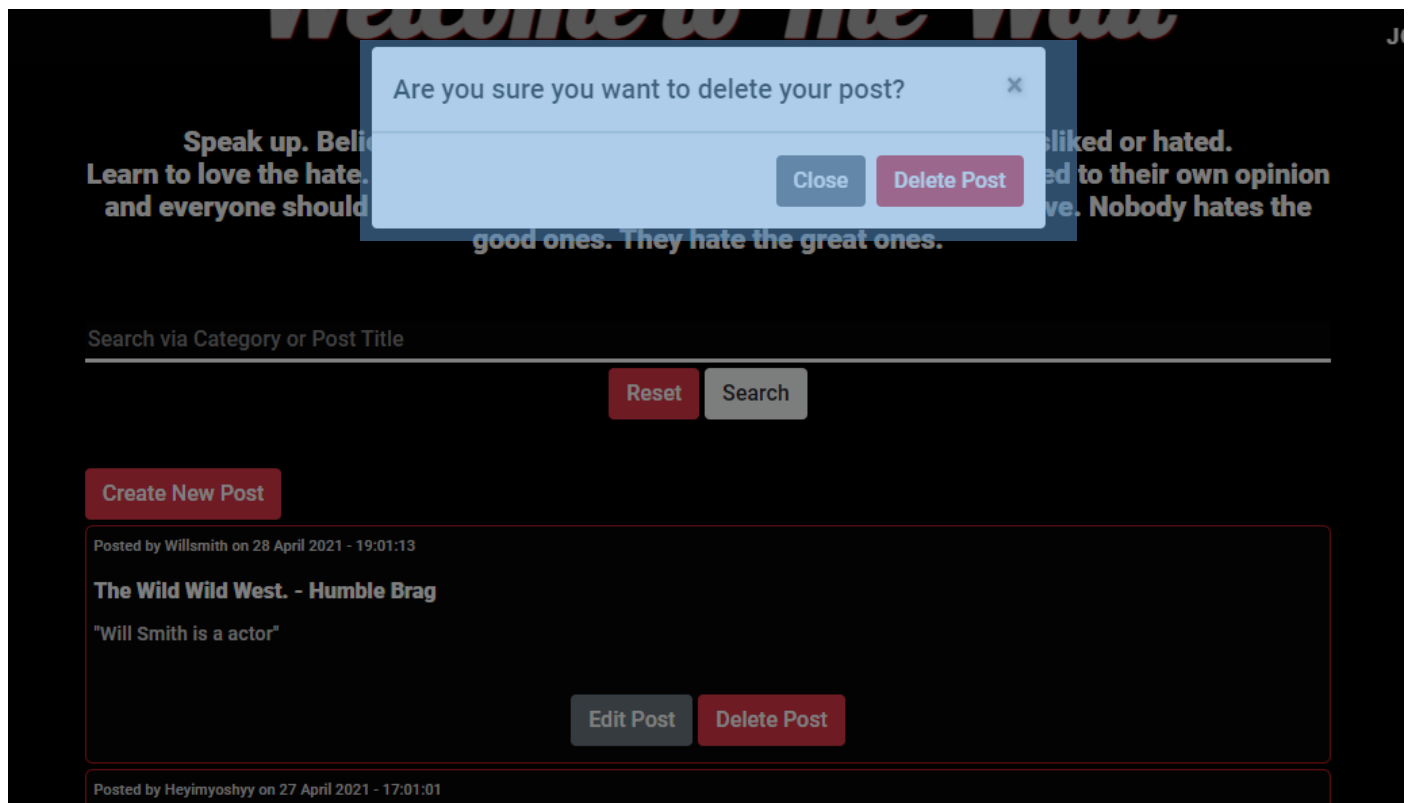
5. Delete the post.

Check to see if the post correctly is removed from the posts database in MongoDB.

Signed in users will have the option to delete their post.

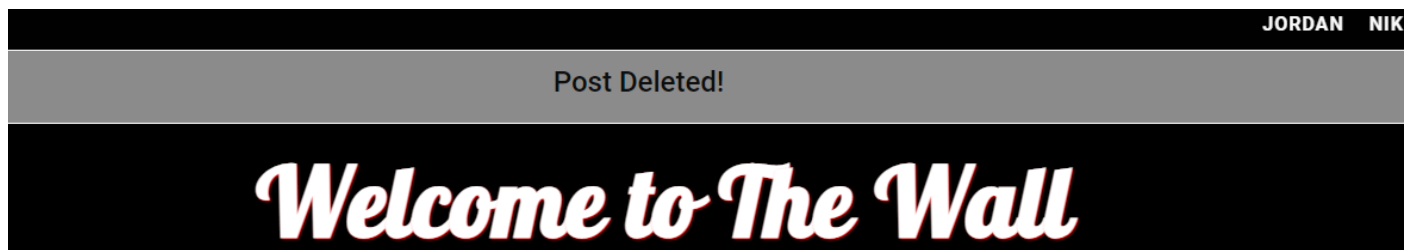


Users can click the “Delete Post” button to receive a confirmation on whether they would like to delete their post.



Users can click the “Delete Post” button the finally delete their post.

Users will receive a message to let them know the message has been deleted.



We can see the post has been successfully removed in the image below.

air_town

categories

posts

users

task_manager

Find

Indexes

Schema Anti-Patterns

Aggregation

Search Indexes

FILTER {"filter":"example"}

QUERY RESULTS 1-3 OF 3

>

_id:ObjectId("608821be9eaff6d3f142d1ce")

post_author:"raizlee"

post_date:"27 April 2021 - 14:37:50"

post_title:"My Air Jordan 1 Review"

category_name:"Simple Review"

post_content:"Gotta say I finally succumbed to the hype and decided to invest in a p..."

_id:ObjectId("608830ccc5be5ce816cd651e")

post_author:"harry"

post_date:"27 April 2021 - 15:42:53"

post_title:"Kobe 5'z Bruce Lee"

category_name:"Humble Brag"

post_content:"So I woke up and just saw that Nike won't be selling anymore of Kobe's..."

_id:ObjectId("6088434ddf689513219d2a1")

post_author:"heyimyoshyy"

post_date:"27 April 2021 - 17:01:01"

post_title:"I hate Air Force 1's :("

category_name:"Honest Opinion"

post_content:"I have brought 3 pairs of Air Force 1's of over the years and every t..."