Manual Test Plan

Tiancheng Wu

First of all, ensure to include firebase configuration file (path:
firebase-blog\src\firebase\FirebaseConfig.js) in the following format
according to your firebase configuration

```javascript
import * as firebase from 'firebase';
// Initialize Firebase
var config = {
    apiKey: "",
    authDomain: "",
    databaseURL: "",
    projectId: "",
    storageBucket: "",
    messagingSenderId: ""
};
firebase.initializeApp(config);

//Ensure date don't break
firebase.firestore().settings({timestampsInSnapshots:true});
export default firebase;
```

Also, please setup security policy as follows:

```
service cloud.firestore {
  match /databases/{database}/documents {


    match /blogs/{blog} {
        allow read
      allow create: if request.auth.uid != null
      allow write: if request.auth.uid != null //==
get(/databases/$(database)/documents/blogs/$(blog)).data.authorId
      //(request.auth.uid == "GGyh5SIHaEVPDSg1TKomHmhpP9B3") ||
    }

    match /users/{userId} {
        allow create;
      allow read;// : if request.auth.uid != null;
      allow write : if request.auth.uid == userId;
    }

    match /comments/{comment} {
        allow create, read;
      allow write : if (request.auth.uid ==
get(/databases/$(database)/documents/comments/$(comment)).data.blogA
uthorId) || (request.auth.uid ==
get(/databases/$(database)/documents/comments/$(comment)).data.com
mentAuthorId)
      // Should we allow for uid -1 anon?
    }

    match /likes/{like} {
```
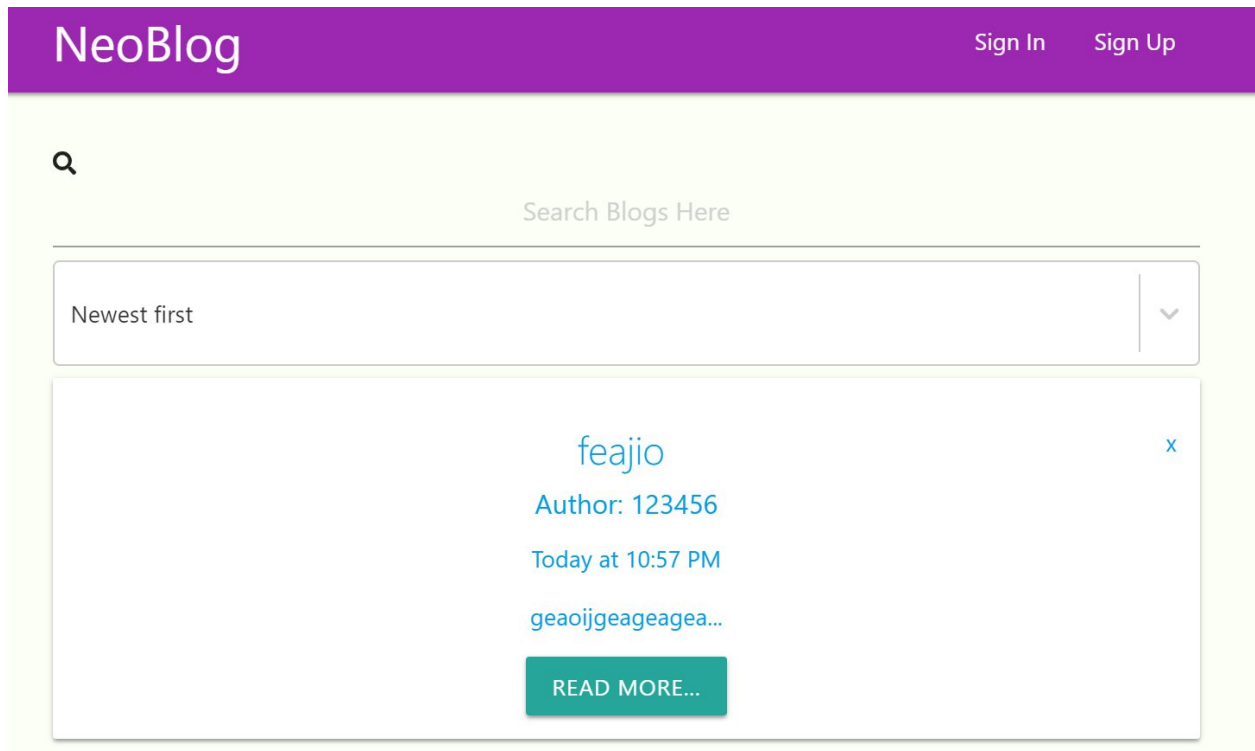
```
        allow read;
      allow write : if request.auth.uid != null;
    }

    match /subscriptions/{subscription} {
        allow read;
      allow write : if request.auth.uid != null;
     }
  }
}
```

After filling out configuration file and running npm start in firebase-blog, you should see a navigation bar at top and some blogs to start with:

NeoBlog   Sign In   Sign Up

🔍

Search Blogs Here

Newest first   ⌄

feajio   x

Author: 123456

Today at 10:57 PM

geaoijgeageagea...

READ MORE...

Try to click on any blog and it will redirect you to the specific blog page

feajio

Author : 123456

Today at 10:57 PM

geaoijgeageagea

VIEW RAW

Now go back home (by clicking logo "NeoBlog"). Try to delete any blog (by clicking the X) and you will get an error:
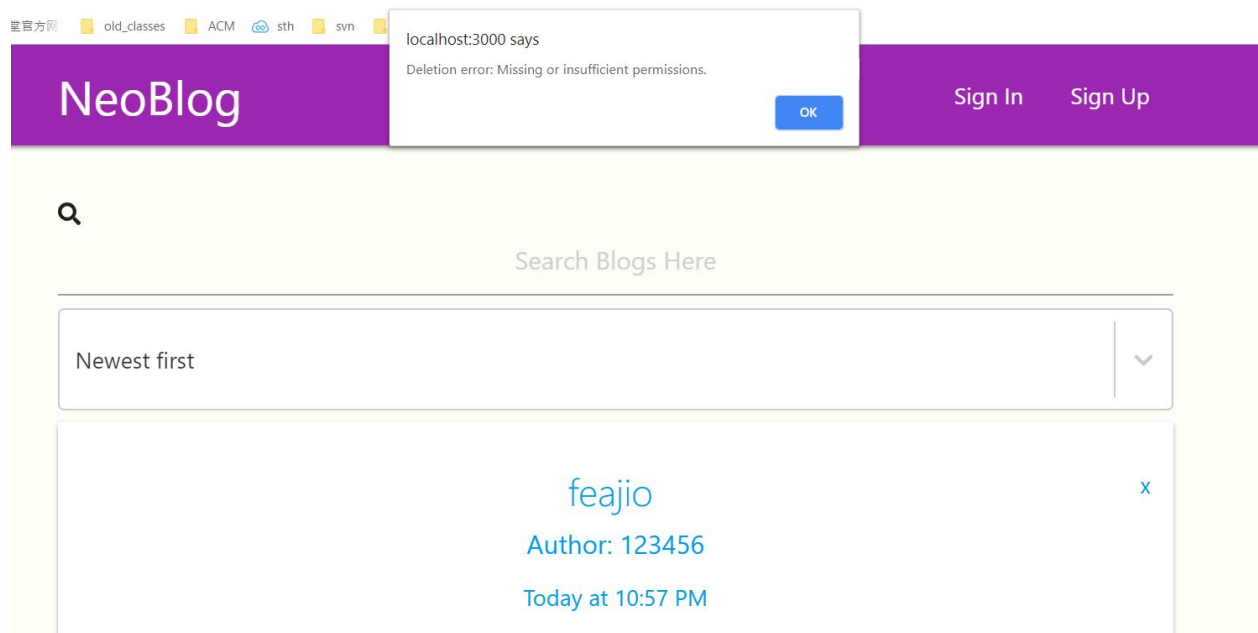
This is because you aren't logged in. Let's signup an account by clicking the icon at top.

NeoBlog

Sign Up Page

Enter Your Email Here...

Enter Your NickName Here...

Enter Your Password Here...

Re-Enter Your Password Here...

SIGN UP

Filling out the form. You don't have to remember the password. Note there may be all sorts of errors, and they will all be displayed. Here are some common or not common ones

The email address is badly formatted.

SIGN UP

Password should be at least 6 characters

SIGN UP

The email address is already in use by another account.

Passwords don't match

Upon successful registration, you are signed in~ (notice change in navigation bar)

NeoBlog

New Blog　　Sign Out　　ABC

🔍

Search Blogs Here

Newest first ⌄

feajio　　x

Author: 123456

Today at 10:57 PM

geaoijgeageagea...

READ MORE...

Let's be evil, try to sign up or sign in again:

localhost:3000/signin

弹堂,弹弹堂官方网   old_classes   ACM   sth   svn   python   temp   apartment   class_websites_senior

NeoBlog   New Blog   Sign Out   ABC

localhost:3000/signup

弹堂,弹弹堂官方网   old_classes   ACM   sth   svn   python   temp   apartment   class_websites_senior

NeoBlog   New Blog   Sign Out   ABC

Q
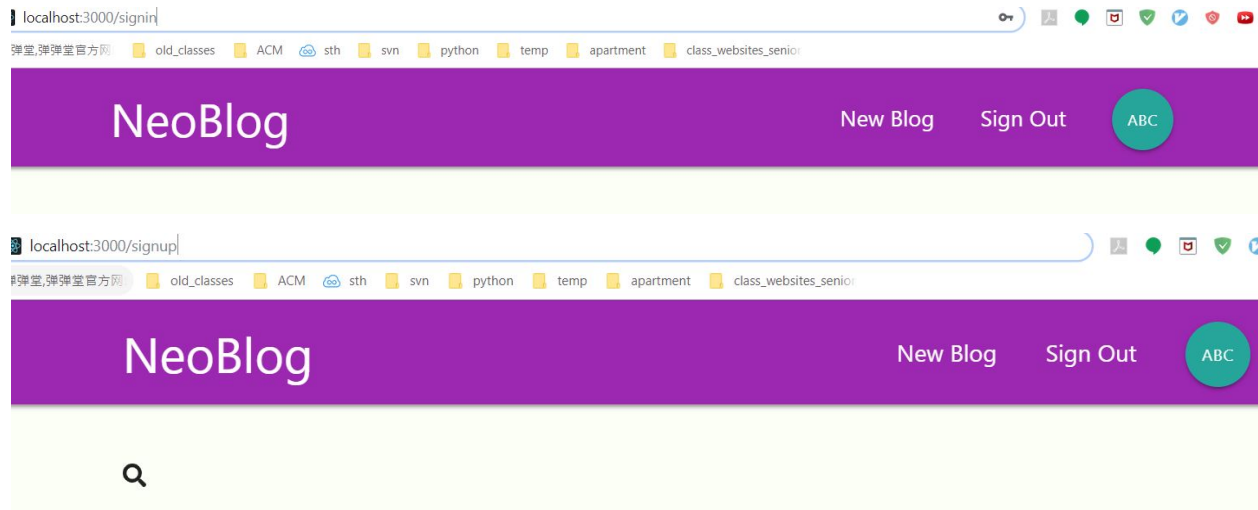
And make sure it all redirect you back to homepage

localhost:3000

Try delete blog of another user, and you will receive same error as not logged in
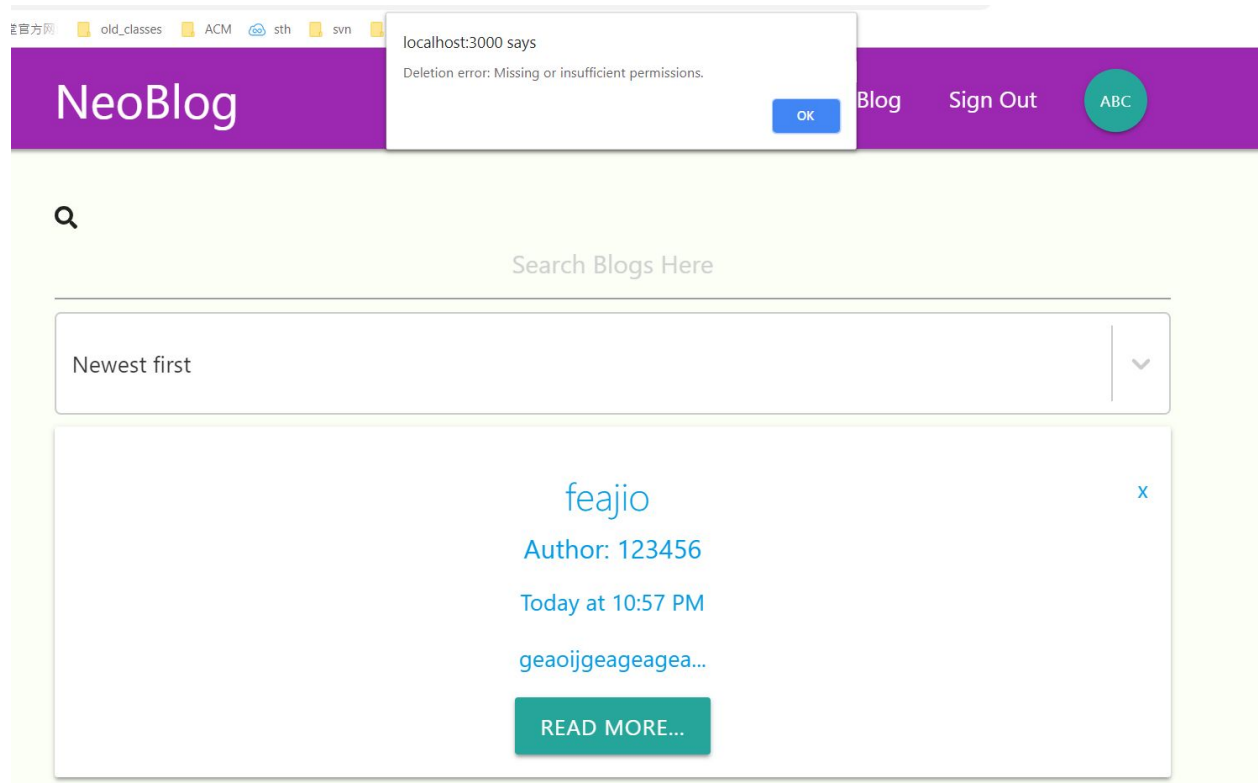
Now Click "New Blog", Let's create a new blog using html:

NeoBlog

New Blog   Sign Out   ABC
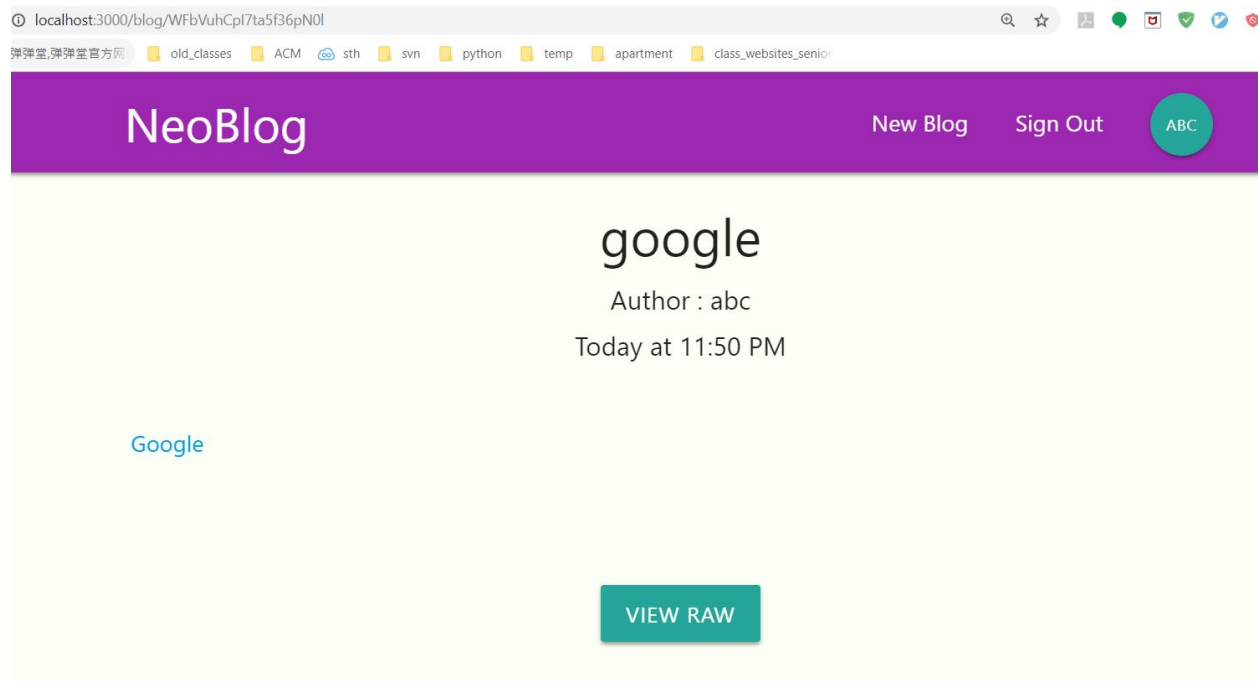
Creating new Blog

google

```
<a href="https://www.google.com"> Google </a>
```

SUBMIT

And you will be redirected to new blog page
After short loading, you will see a link redirect you to google
(warning: XSS)

Go back home. Make sure that you can see that blog on dashboard.

NeoBlog

New Blog   Sign Out   ABC

🔍

Search Blogs Here

Newest first   ⌄

google   x

Author: abc

Today at 11:50 PM

 Google ...

READ MORE...

Delete it! (Should work as you are the author)
It might need refresh due to an error in firebase
(https://github.com/prescottprue/react-redux-firebase/issues/257)

NeoBlog

New Blog   Sign Out   ABC

🔍

Search Blogs Here

Newest first   ⌄

feajio   x

Author: 123456

Today at 10:57 PM

geaoijgeageagea...

READ MORE...

Finally you can sign out by clicking sign out at the top.
It will redirect to where you were at.

NeoBlog

🔍

Search Blogs Here

Newest first ⌄

feajio

Author: 123456

Today at 10:57 PM

geaoijgeageagea...

READ MORE...

x

Now let's search for the oldest blog by changing the selector:
(Warning: it's in my firebase, but might not in yours, create some similar
ones if you like)

And see text also works:

NeoBlog

Final Project

Author : protected

11/11/2018

Final Project
By now, you should have submitted your proposal to your TA/moderator and gotten approval to begin development. For each of the weeks, you will be graded on the usual style and participation components and if you accomplished the tasks that you said you would for that week in your proposal. For each week, please commit to Gitlab. Also, ensure you give at least "Reporter Access" to all the TAs and your moderator.

Due Dates
Week 0: Week of 11/12 in Discussion Section
Week 1: Week of 11/26 in Discussion Section
Week 2: Week of 12/3 in Discussion Section
Week 3: Week of 12/10 in Discussion Section

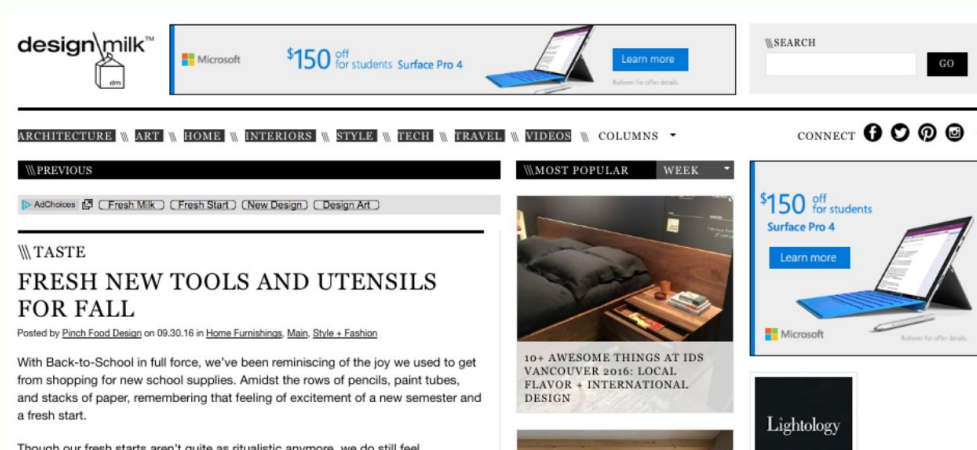Now search for some example blogs of html, notice it's updating in real time
(Warning: it's in my firebase, but might not in yours, create some similar blogs if you like)
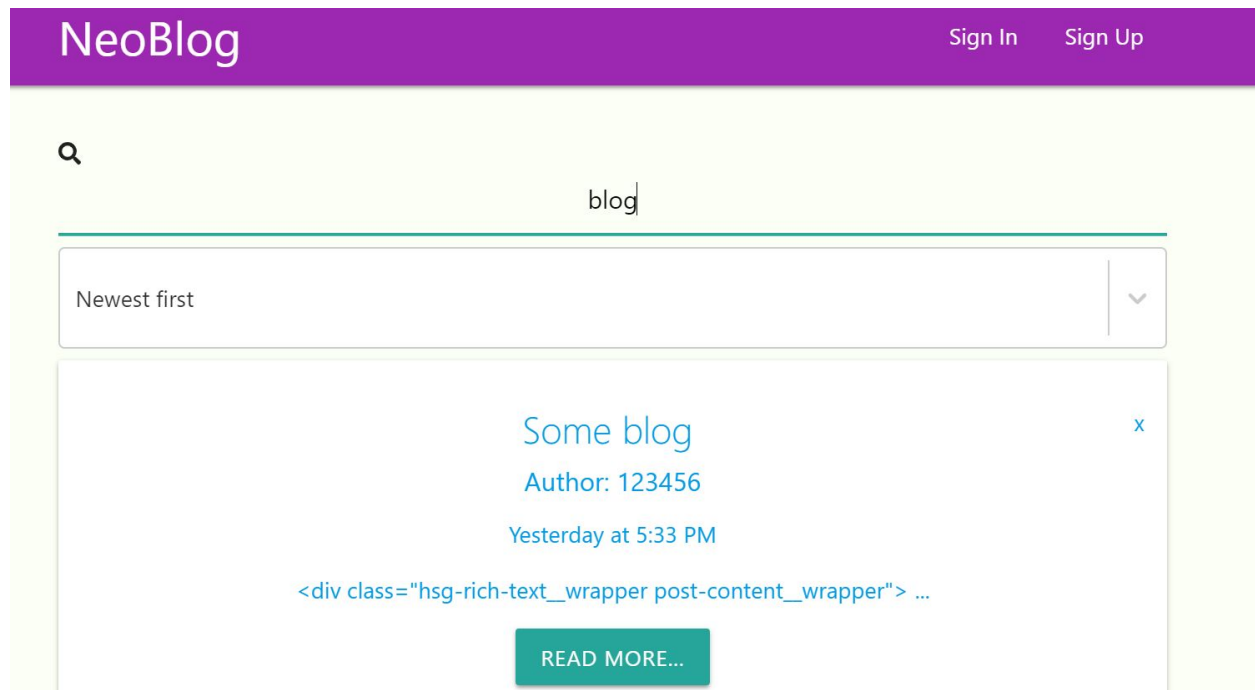
And check out html (XSS …)

You can always view raw data if you want near the bottom.

And click it you will see the raw html~

NeoBlog

Sign In   Sign Up

Some blog

Author : 123456

Yesterday at 5:33 PM

```
<div class="hsg-rich-text__wrapper post-content__wrapper">
                              <span id="hs_cos_wrapper_post_body" class="hs_cos_wrapper
hs_cos_wrapper_meta_field hs_cos_wrapper_type_rich_text" style="" data-hs-cos-general-type="meta_field"
data-hs-cos-type="rich_text"><p style="text-align: left;"><span style="letter-spacing: 0px; background-color:
transparent;">According to a recent </span><a href="https://www.affili.net/uk/about-affilinet/press-
centre/2015/bloggers-trusted-more-than-celebrities-journalist" target="_blank" style="letter-spacing: 0px;
background-color: transparent;">U.K. survey</a><span style="letter-spacing: 0px; background-color:
transparent;">, bloggers have ranked as the third most trustworthy source of information, following only
friends and family. That's right -- bloggers are trusted more than celebrities, journalists, brands, and politicians.
</span></p>
<p>But how do you get people to fall in love with your blog in the first place? (Aside from remarkable content,
```
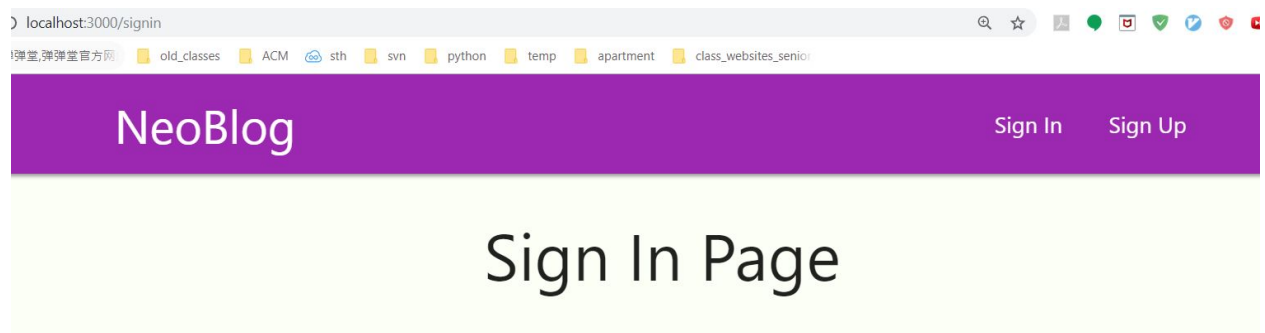
Now let's try to create a new blog without sign in~

localhost:3000/create

And redirect ~

localhost:3000/signin

弹堂,弹弹堂官方网 | old_classes | ACM | sth | svn | python | temp | apartment | class_websites_senior

NeoBlog   Sign In   Sign Up

Sign In Page

Let's try to sign in now

localhost:3000/signin

弹堂,弹弹堂官方网 old_classes ACM sth svn python temp apartment class_websites_senior

NeoBlog

Sign In   Sign Up

Sign In Page

Enter Your Email Here...

Enter Your Password Here...

SIGN IN

Forget Your Password?

And here are some common errors:

The email address is badly formatted.

There is no user record corresponding to this identifier. The user may have been deleted.

SIGN IN

The password is invalid or the user does not have a password.

SIGN IN

In case you forgot your password, you are not alone. Try to reset password by clicking link below.

Forget Your Password?

And you will receive a friendly email ~

noreply@blogs-f7681.firebaseapp.com   Sun, Nov 18, 10:55 PM (1 hour ago) ☆ ↰
to me ▾

Hello,

Follow this link to reset your project-166011043701 password for your neo1216.wu@gmail.com account.

https://blogs-f7681.firebaseapp.com/__/auth/action?mode=resetPassword&oobCode=f9̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶apiKey=
A̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶ ̶lang=en

•••

If you follow all above instructions, you will notice there are random background at the end

Update: Now we included more features including profile and comments.
First let's get back home

XSSBlog

Search Blogs Here...

Newest first ⌄

Project Main Content

x

Author: Neo

Today at 1:22 PM

<div id="main-content" class="wiki-content"> ...

READ MORE...

Table

Chief Justice Defends Judicial Independence After Trump Attacks x

Noticed the button sitting at the bottom right of corner?

Table
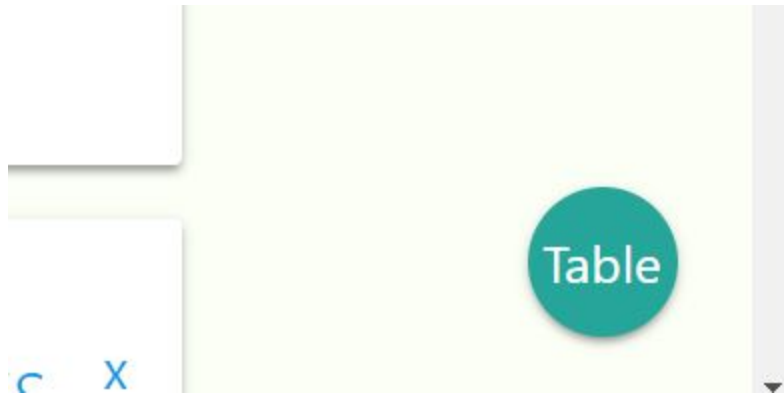
Click it and you will notice the layout change:

XSSBlog   Sign In   Sign Up

Search Blogs Here...

Newest first   ⌄

Author   **Title**   **Date**

Neo   Project Main Content   Today at 1:22 PM   x

123456   Chief Justice Defends Judicial Independence After Trump Attacks
               'Obama Judge'   Yesterday at 3:58 AM x

EoVz   2ANvPTKy9d9dD5Z5ozES   Last Monday at 3:52
                                                                       AM   x

B8bO   L6TEqVDhVmkZ4CjIMMrj   Last Monday at 3:48
                                                                       AM   x

Card

Table now! Search + filter should still work.

pr

Oldest first   ⌄

Author	Title	Date	
protected	Final Project	11/11/2018	x
protected	Wiki Movie Plot	11/11/2018	x
Neo	Project Main Content	Today at 1:22 PM	x

Card

Notice button text changed from table to card. Click again will turn back to card layout.

pr

Oldest first   ⌄

Final Project   x

Author: protected

11/11/2018

Final Project By now, you should have submitted your proposal to your ...

READ MORE...

Wiki Movie Plot   x

Let's sign up to a new account to see new changes~

XSSBlog

Sign Up Page

aaaa@gmail.com
_____

aaaa
_____

••••••
_____

••••••
_____

SIGN UP

If your computer is not muted, you should spot something different---

Yes, some music!

Let's check out settings page by clicking (View Profile -> Settings)

XSSBlog

View Profile   New Blog   Sign Out   AAAA

Home   Blogs   Comments   Settings   AAAA

Current Playing : https://www.youtube.com/watch?v=KgEQNlR4A6o

Status : normal

Type New Youtube ID Here:

Change   pause

If you want to change video, fill out the new music id:

XSSBlog
                    View Profile   New Blog   Sign Out   AAAA

                    Home   Blogs   Comments   Settings   AAAA

Current Playing : https://www.youtube.com/watch?v=yRh-dzrI4Z4

Status : normal

yRh-dzrI4Z4

Change   pause

Or you can mute by inserting invalid ones:

XSSBlog

View Profile   New Blog   Sign Out   AAAA

Home   Blogs   Comments   Settings   AAAA

Current Playing : https://www.youtube.com/watch?v=abc

Status : unable to load

Type New Youtube ID Here:

Change   pause

Notice the blogs and comments part are all empty. Let's make up some blogs and **comments** to see it work.

XSSBlog   View Profile   New Blog   Sign Out   AAAA

Creating new Blog

eagjoigea
_____

ejaigo gej pea jgieajgpea peai jgepgeajpjea page|

SUBMIT

Move to bottom and blog and you will see comment section

Comments

Newest first ▾

Post Comment

Now Let's post some comments!

Comments

Newest first ⌄

aaaa
Today at 2:01 PM

Hello

World

Post Comment

The format should be good~

Newest first ⌄

aaaa
Today at 2:02 PM

Blah Blah Blah

---

aaaa
Today at 2:02 PM

World

---

aaaa
Today at 2:01 PM

Hello

Post Comment

Ready for the fun parts: click your name to go to your profile~

XSSBlog

View Profile   New Blog   Sign Out   AAAA

Home   Blogs   Comments   Settings   AAAA

Search Blogs Here...

Newest first

eagjoigea   x

Author: aaaa

Today at 2:00 PM

ejaigo gej pea jgieajgpea peai jgepgeajpjea page...

READ MORE...

Yeah, it shows up, Note table format also supports this functionality.

Let's checkout comments then.

Comments

Newest first ⌄

aaaa
Today at 2:02 PM

Blah Blah Blah

---

aaaa
Today at 2:02 PM

World

---

aaaa
Today at 2:01 PM

Hello

And it shows up~ Let's delete the blog and wish the comments disappear~

XSSBlog

View Profile   New Blog   Sign Out   AAAA

Home   Blogs   Comments   Settings   AAAA

Search Blogs Here...

Newest first

Author	Title	Date

And it did~

XSSBlog

View Profile　　New Blog　　Sign Out　　AAAA

Home　　Blogs　　Comments　　Settings　　AAAA

Comments

| Newest first | ∨ |

Note anonymous users can also comment-

Comments

Newest first	⌄

Anonymous
Today at 2:09 PM

I'm the anon

[   ]

Post Comment

Be aware of the anon!

Finally, you could config avatar~
Sign in or sign up to get started

XSSBlog

Profile   Favorite   New Blog   Sign Out   FEA

Search Blogs Here...

Newest first	⌄

5bdkPGkFqQsVrt7GvYpX

x

Author: gjio

Today at 5:21 AM

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE...

👍 1

Table

Notice the avatar in the top? Click Profile-> Avatar to config your avatar~

XSSBlog

Profile   Favorite   New Blog   Sign Out   FEA

Home   Blogs   Comments   Settings   Avatar   FEA
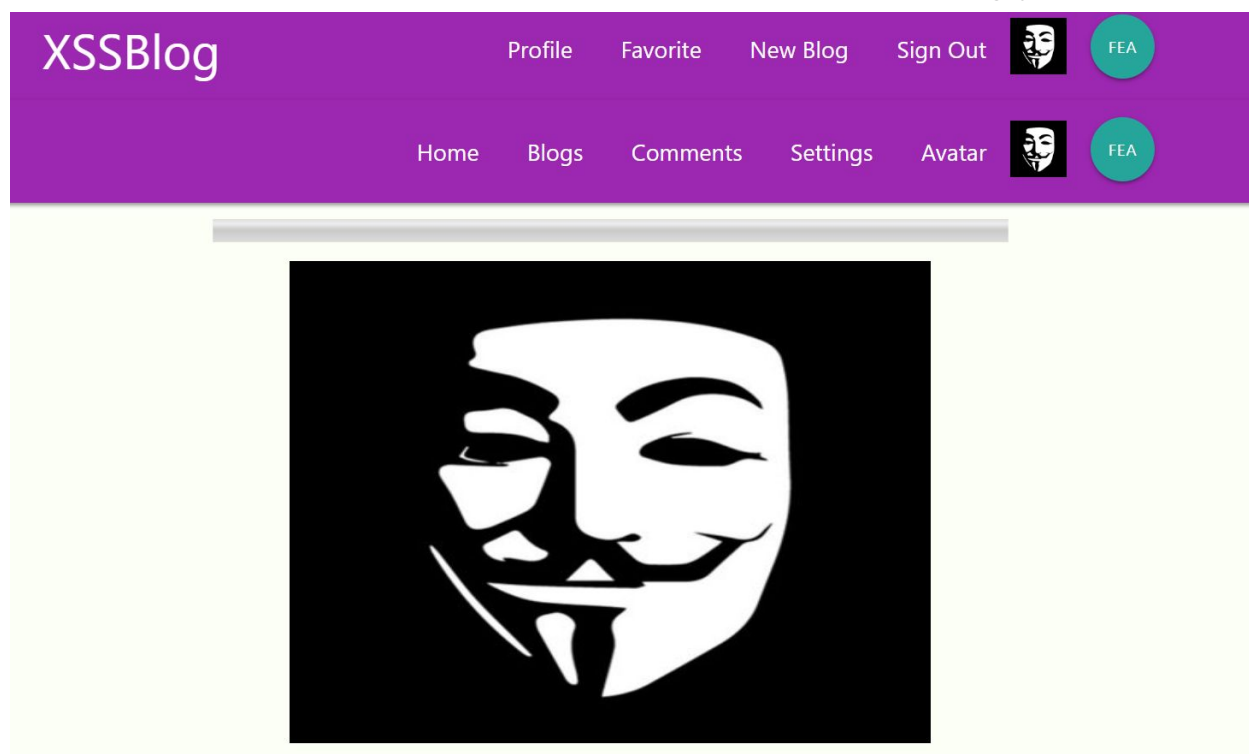
The top bar is for loading, and the bottom is for upload. You can choose any file first

Choose File Doraemon.png

Upload

Then click upload, and all the sudden all avatars are updated~
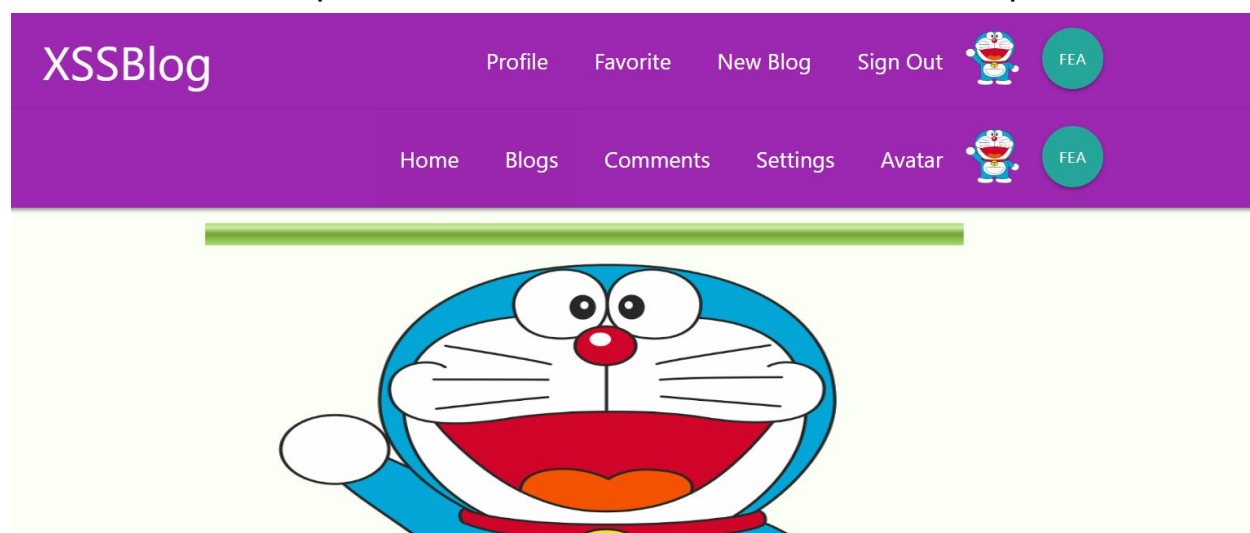
Now let's look at subscriptions and likes. Notice there is a like count near each blog.

5bdkPGkFqQsVrt7GvYpX

x

Author: gjio

Today at 5:21 AM

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE...

👍 1

gSr5ecUC4SaGe0uZXMkV

x

Author: gjio

Today at 5:14 AM

vlWnicOB2rYjJVqMDfKun9TStbl8lTk9o2S2eON1PbCcyVCU30jXW5aAwYup4rPS9L OCV...

READ MORE...

👍 1

hSKKblt5

Click on any blog, and you will also see it inline:

XSSBlog   Profile   Favorite   New Blog   Sign Out   FEA

5bdkPGkFqQsVrt7GvYpX

Author : gjio

Today at 5:21 AM

👍 1

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz
hXsRxW3Xy22bbx01kOd8Q5H6BQ6CRZWgC1hW9DcUYt8fwsZqILaWxYPLC3I7My37Ze
4VXAqez8pwdMBgoHtEw41sBNe1wJoNmyG05t8rIRlr4ySP113IwtxebdrSj415OhI0
l5TS8P4o2n19jCUPrkpXOnnHpoMXmqnGiA2GZdwqgDvWw3gF98kW9TdL4CaTNVgakO

VIEW RAW

Gray means not yet liked, blue means liked.
Try to click it to confirm count is updated correctly.

XSSBlog   Profile   Favorite   New Blog   Sign Out   FEA

5bdkPGkFqQsVrt7GvYpX

Author : gjio

Today at 5:21 AM

👍 2

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz
hXsRxW3Xy22bbx01kOd8Q5H6BQ6CRZWgC1hW9DcUYt8fwsZqILaWxYPLC3I7My37Ze
4VXAqez8pwdMBgoHtEw41sBNe1wJoNmyG05t8rlRlr4ySP113lwtxebdrSj415OhI0
I5TS8P4o2n19jCUPrkpXOnnHpoMXmqnGiA2GZdwqgDvWw3gF98kW9TdL4CaTNVgakO

VIEW RAW

As well as outside:

XSSBlog

Profile   Favorite   New Blog   Sign Out

FEA

Search Blogs Here...

Newest first

5bdkPGkFqQsVrt7GvYpX

x

Author: gjio

Today at 5:21 AM

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE...

👍 2

Noticed a Favorite Bar?

XSSBlog

Profile   Favorite   New Blog   Sign Out   FEA

Search Blogs Here...

Newest first

5bdkPGkFqQsVrt7GvYpX

x

Author: gjio

Today at 5:21 AM

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE...

👍 2

Table

gSr5ocHCASaGo0u7XMkV

x

Click on it and you will see all your subscriber and likes

XSSBlog   Profile   Favorite   New Blog   Sign Out   FEA

Likes

5bdkPGkFqQsVrt7GvYpX

Subscriptions

Let's go to any existing user and click Subscribe:

XSSBlog

Profile   Favorite   New Blog   Sign Out   FEA

Subscribe   Home   Blogs   Comments   FEA

Search Blogs Here...

Newest first

5bdkPGkFqQsVrt7GvYpX   x

Author: gjio

Today at 5:21 AM

20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE...   👍 2

Note state changes:

XSSBlog

Profile   Favorite   New Blog   Sign Out   FEA

Unsubscribe   Home   Blogs   Comments   FEA

Search Blogs Here...

Newest first

5bdkPGkFqOsVrt7GvYpX   x

And your favorite page also changed:

XSSBlog

Profile　　Favorite　　New Blog　　Sign Out　　FEA

Likes

5bdkPGkFqQsVrt7GvYpX

Subscriptions

gjio

You can click on any item in your favorite page and it will go to the specific page (like->blog, subscribe->user)
If a new blog is created with the person you subscribe to, the color scheme to notify you (example shown with a different account)
You need 2 accounts to test this feature (I will omit the middle part)

XSSBlog   Profile   Favorite   New Blog   Sign Out   HELLO

Likes

123
I'm here
afoij

Subscriptions

gjio
abc
aef
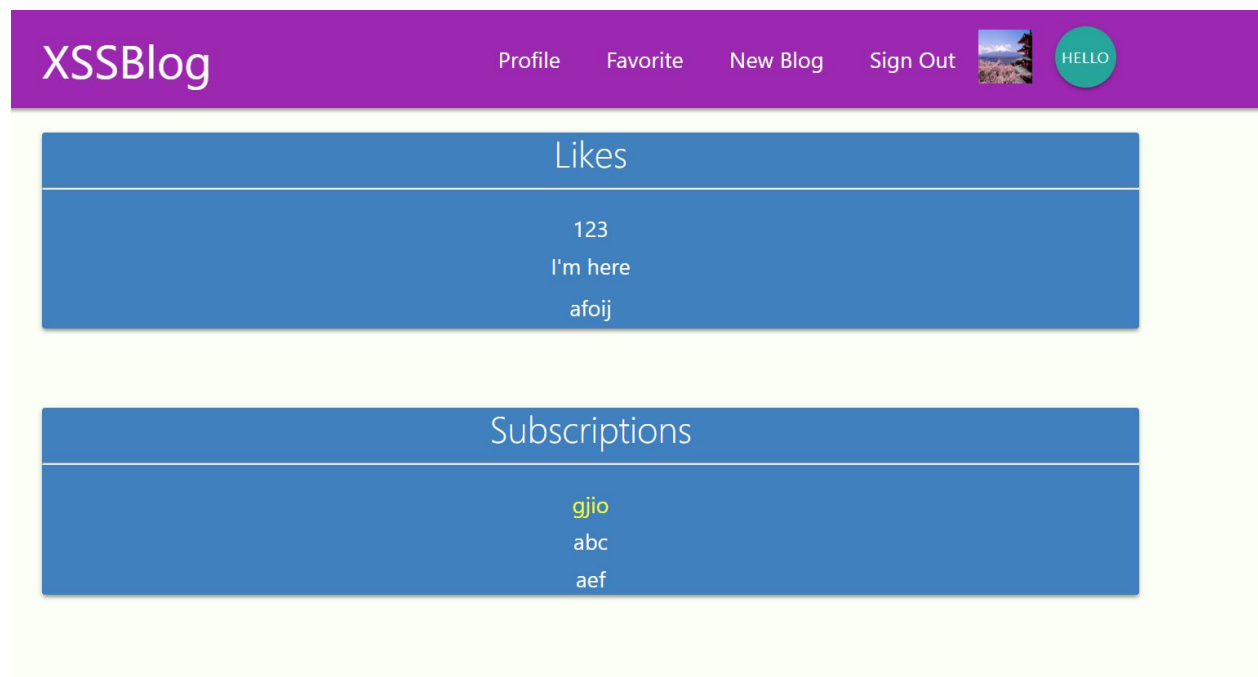
Click on it will redirect and clear color:

XSSBlog

Profile   Favorite   New Blog   Sign Out   HELLO

Unsubscribe   Home   Blogs   Comments   HELLO

Search Blogs Here...

Newest first

5bdkPGkFqQsVrt7GvYpX   x

Author: gjio

Today at 5:21 AM

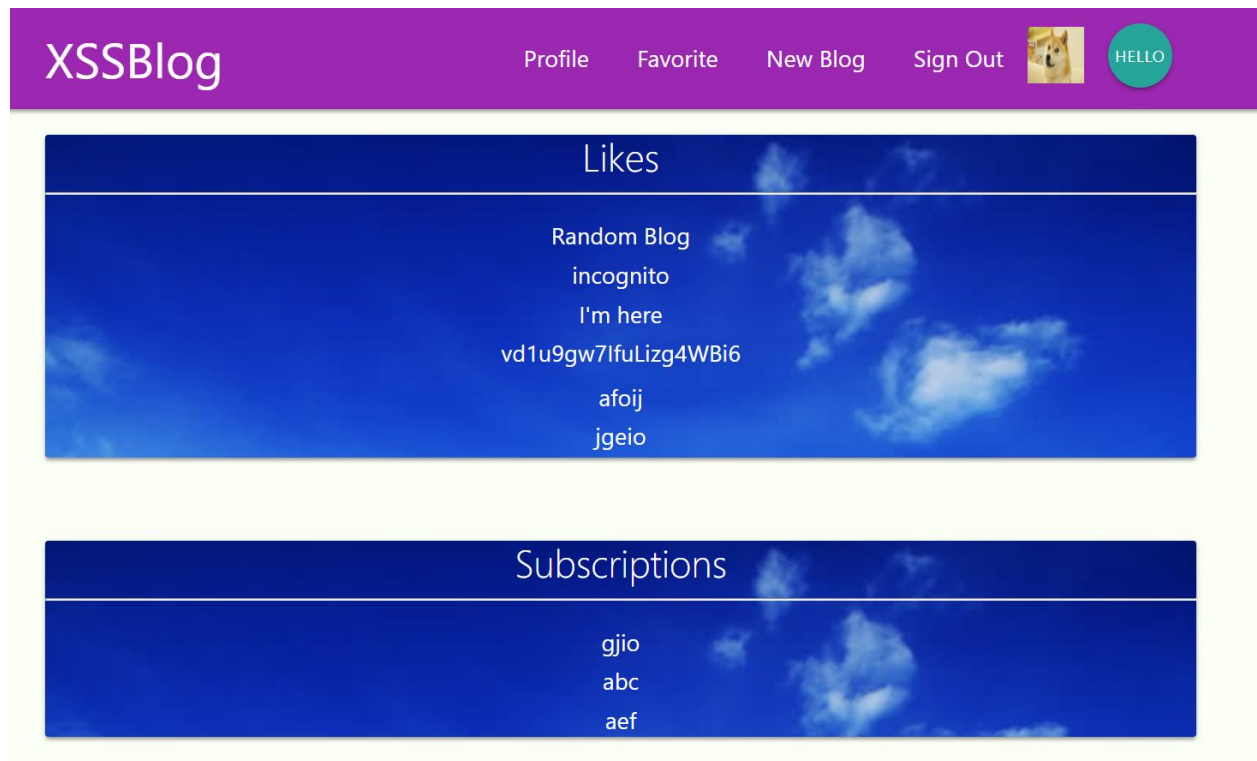20tSmJDPvaFG8cQdA4FspMkEEhGQo7dmUeYDU9kOAsRh8TwciNUmB5ok2bHu1VeyHz hXs...

READ MORE

XSSBlog

Profile   Favorite   New Blog   Sign Out   HELLO

Likes

123

I'm here

afoij

Subscriptions

gjio

abc

aef

I've also updated the UI, so it now looks like this

XSSBlog   Profile   Favorite   New Blog   Sign Out   HELLO

Likes

Random Blog
incognito
I'm here
vd1u9gw7lfuLizg4WBi6
afoij
jgeio

Subscriptions

gjio
abc
aef

And that's it!
Thank yo~