

## **COSC360: Project Step 3**

### **Minimum Core Functionalities**

Dhairya Bhatia, 27754175

Github : <https://github.com/COSC360/project-dhairyab0069>

Website : <https://cosec360.ok.ubc.ca/dhairyab/>

**1) Website Overview:** The purpose of the website “ Street Fighter Discussions” is to provide a fan based forum discussion where users can discuss things related to Street Fighter Franchise.

- **Features:** Take part in discussion threads, add/edit/delete comments, add posts to the forum, edit or delete their forums. Admins can moderate the content posted and can remove content that violate the terms and conditions of website.
- **Login :** Regular User: username: john\_doe, password: john123
  - Administrator: username: admin, password: admin123
  - These are few examples of how login are.  
Admin login will be implemented for the next milestone.
- **Posts:** Users are able to add, edit, view or delete posts while also able to comment on their own as well as others Websites. Admins will be able to modify all content on the website including removing content or ban users if the content violates the policies of the website

**2). Client Side Security:** Client side focuses on validating user input onto forms such as login , sign up etc by the browser it self so it reduces the effort and work load for the server. For example.



Username

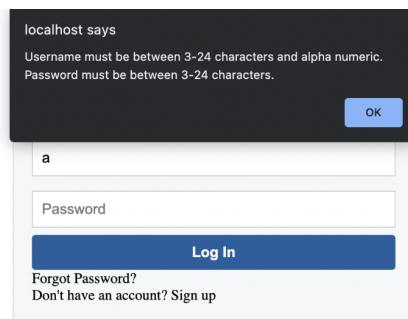
Password

**Log In**

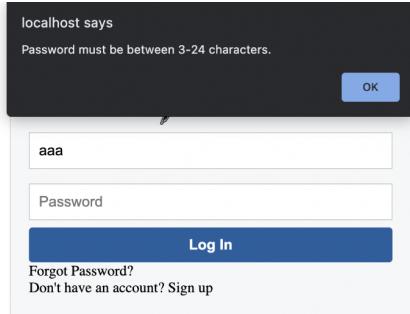
[Forgot Password?](#)  
[Don't have an account? Sign up](#)

[ Back To Home ]

In the above case is a forum page which allows user to log in. If user enters correct information (for this case, username and password length being between 3-24 characters), it goes to server side validation for further checking. Otherwise, the following pop ups comes:



[ Back To Home ]



[ Back To Home ]

Now we go towards sign up:

A screenshot of a sign-up form titled "Sign Up to System". The form consists of five input fields with labels: "First name:", "Last name:", "Email:", "Username:", and "Password:". Below the input fields is a yellow "Sign Up" button.

Same as above if everything provided is good, we go towards server side implementation. Otherwise, following pop up shows up:

**Sign Up to System**

First name:

Last name:

Email:

Username:

Password:

Please fill out this field.

**Sign Up**

localhost says  
Username must be between 4 and 20 characters and contain only letters and numbers.

OK

First name:

Last name:

Email:

Username:

Password:

**Sign Up**

localhost says  
Password must be between 4 and 20 characters and contain only letters and numbers.

OK

First name:

Last name:

Email:

Username:

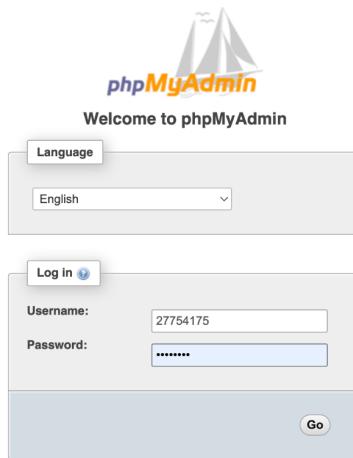
Password:

**Sign Up**

After the validation, it goes towards server side validation for connection with database and validating user credentials.

**3) Server Side Implementation and Security:** For server side implementation, we validate the incoming form submission through php validation. This is done for login, sign up, forget password etc. The server connects with the database and validates the data from the database by running sql queries. If validation is successful, user gets access to other features. If admin login( implementation in next milestone), the user can edit, modify or delete content as suited.

**4) Database Implementation:** We use phpadmin and MySQL to manage our dbms system. Here is a screenshot of how the phpadmin looks like



Server: localhost » Database: db\_27754175

**Structure** **SQL** **Search** **Query** **Export** **Import** **Operations** **Routines** **Designer**

Table	Action	Rows	Type	Collation	Size	Overhead
comments	Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	latin1_swedish_ci	48 KiB	-
posts	Browse  Structure  Search  Insert  Empty  Drop	5	InnoDB	latin1_swedish_ci	48 KiB	-
threads	Browse  Structure  Search  Insert  Empty  Drop	3	InnoDB	latin1_swedish_ci	32 KiB	-
users	Browse  Structure  Search  Insert  Empty  Drop	4	InnoDB	latin1_swedish_ci	16 KiB	-
<b>4 tables</b>	<b>Sum</b>	<b>17</b>	<b>InnoDB</b>	<b>latin1_swedish_ci</b>	<b>144 KiB</b>	<b>0 B</b>

Check All  With selected: **↓**

Print view Data Dictionary

**Create table**

Name:  Number of columns:

**Go**

We have created tables for users, posts , comments , threads for the website. To connect with this database, only one admin account can be used to connect to the database for editing, viewing the tables and data stored.

**5) Website Features:** Here are some images which show how the website looks and operate:

Street Fighter Discussions Forum

Profile Log Out

Street Fighter

Post

Latest Discussions

Topic 1

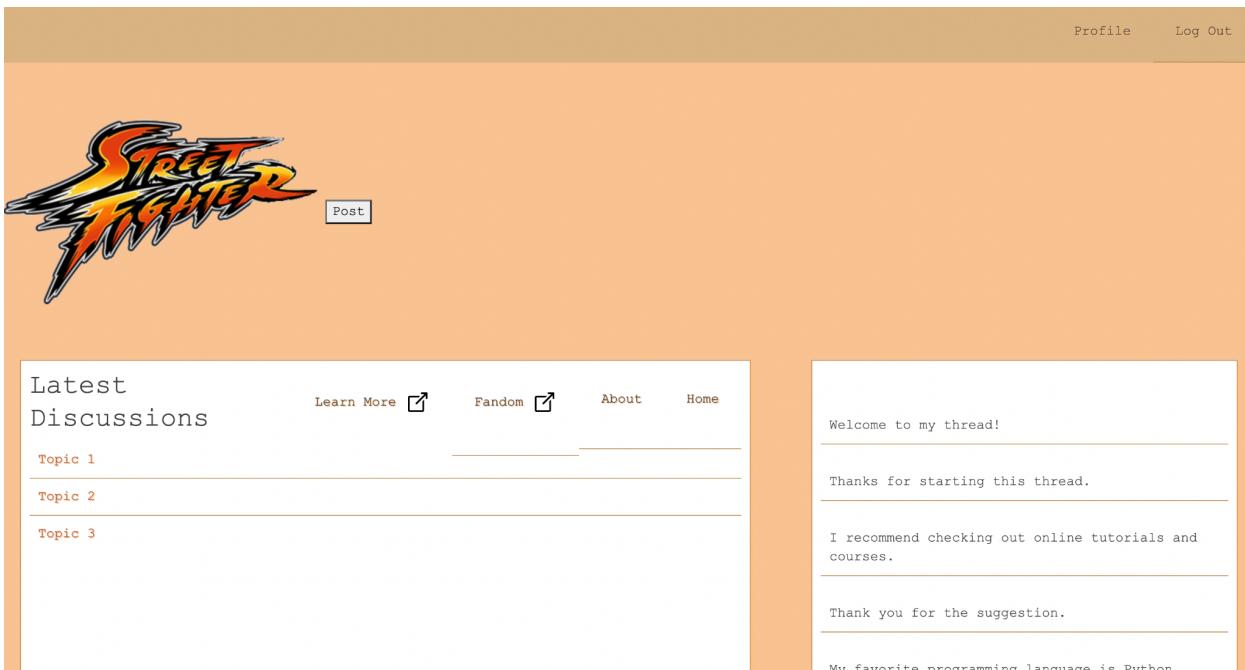
Topic 2

Topic 3

Learn More Random About Home

Connection failed: Access denied for user 'dhairya'@'localhost' (using password: YES)

After Login:



Users can view posts on the right side and able to click on them to view more content and comment on individual posts. This is a static implementation of this, the commenting and other features will be implemented later on.

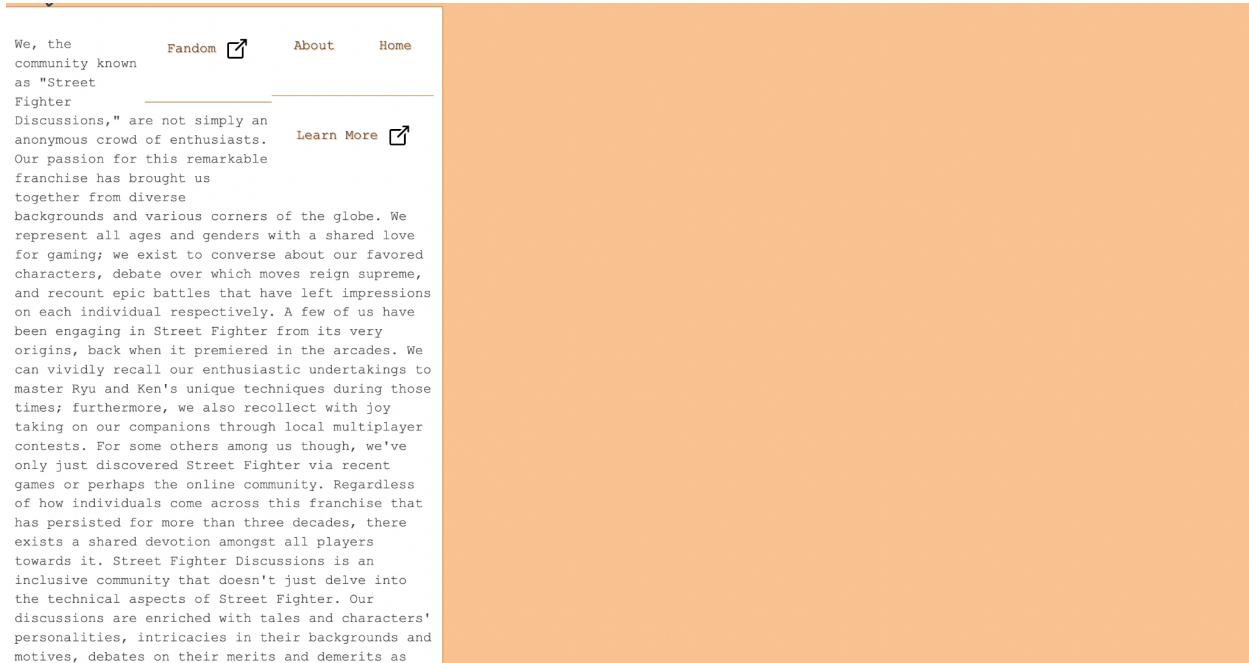
There are also two external links, Learn More and Fandom which allows users to connect to official street fighter website by capcom and a fandom page to get to know more about the fandom and website. Users can also use post button to add posts as well.

**Post:** The user will be able to add posts by clicking on the post button. It redirects them to following page which lets them add posts by putting title and content:

The diagram shows a user interface for adding a post. It consists of a main container with rounded corners labeled "POST" at the top. Inside, there are two sections: "Title:" with an input field below it, and "Content:" with an input field below it. At the bottom are two buttons: a green "Submit" button and a red "Cancel" button.

The cancel button lets them go back to index while submit goes through validation and adds post to the given list of posts and stores in database.

**About:** This gives a small description of the website like the purpose of the website, description of franchise etc.

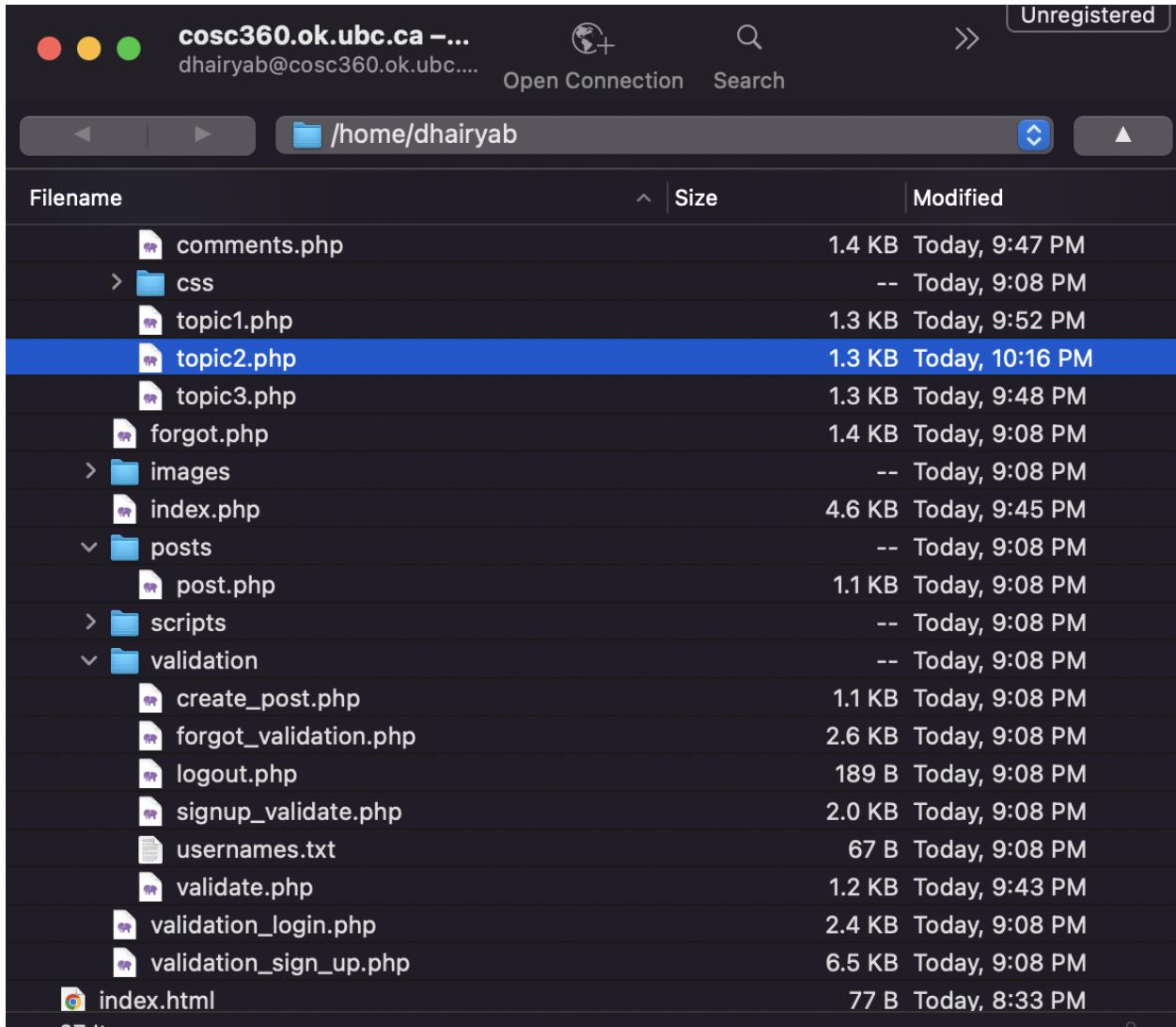


**Discussion threads:** User can access different topics, we let user click on the forum page and able to view discussions.

The screenshot shows a forum interface. At the top, the title "Topic 1" is displayed in bold black text. Below the title, there is a post card-like structure. The post has a header "My First Thread" and a timestamp "Posted by 1 on 2023-03-26 17:17:20". The main content of the post is "Hello, this is my first thread.". At the bottom of the post card, there is a small input field and a button labeled "Add comment".

This is a basic implementation of the thread given. Users will be able to view others comments and able to add their own, also being able to edit them. For now,a placeholder static comment section is added. Comment implementation will be added later on the next milestone . This discussion is stored in the “threads” table in the database.

**Website Deployment:** Finally, the website is published on the cosc360.ok.ubc.ca website using CyberDuck and sftp protocall to deploy the website.



The screenshot shows the CyberDuck interface connected to the host 'cosc360.ok.ubc.ca'. The current path is '/home/dhairyab'. The file list is as follows:

Filename	Size	Modified
comments.php	1.4 KB	Today, 9:47 PM
css	--	Today, 9:08 PM
topic1.php	1.3 KB	Today, 9:52 PM
topic2.php	1.3 KB	Today, 10:16 PM
topic3.php	1.3 KB	Today, 9:48 PM
forgot.php	1.4 KB	Today, 9:08 PM
images	--	Today, 9:08 PM
index.php	4.6 KB	Today, 9:45 PM
posts	--	Today, 9:08 PM
post.php	1.1 KB	Today, 9:08 PM
scripts	--	Today, 9:08 PM
validation	--	Today, 9:08 PM
create_post.php	1.1 KB	Today, 9:08 PM
forgot_validation.php	2.6 KB	Today, 9:08 PM
logout.php	189 B	Today, 9:08 PM
signup_validate.php	2.0 KB	Today, 9:08 PM
usernames.txt	67 B	Today, 9:08 PM
validate.php	1.2 KB	Today, 9:43 PM
validation_login.php	2.4 KB	Today, 9:08 PM
validation_sign_up.php	6.5 KB	Today, 9:08 PM
index.html	77 B	Today, 8:33 PM

The website which can be used is [cosc360.ok.ubc.ca/dhairyab](http://cosc360.ok.ubc.ca/dhairyab) to access this website by admin.

Features to implement by next Milestone : Comments implementation, post edit/delete/comment implementation, password hashing, more security features etc.