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Project 4 Final Report

(Team: InsertTeamName)

Brief Introduction:

This project's purpose is to build on the knowledge gained from our previous three projects' as well as new additional knowledge acquired from our most recent lectures. Considering that we are a new group of individuals, we have decided to create a brand-new website from scratch rather than using one of our previously existing websites. This is more challenging, but it will give each of us a better understanding of the previous material.

Purpose:

The purpose of our website is to act like a central hub for people of all education levels to obtain information on a specific education subject. Anyone, with or without an account, may visit our website and view everything it has to offer. With no subscription fees of any kind. The user can treat this however they please, whether it be a forum about a certain topic or they need help on a homework question. It truly is up to the user's discretion what they post on our website.

Instructions:

When someone firsts visit the website, they will see a very simplistically organized homepage showing all the different subjects we have to offer. These are currently maintained by the website administrators, but through contact methods we can add more. At this point, the user can select whichever subject matter they wish to learn more about or they have something to post about.

The next page a user would see is the one specific to the subject they selected on the homepage. Here we have a very similar layout design to that of the homepage, but instead of subjects to choose from the user will see all the existing posts other users have made. These posts can be questions of any difficulty, as this is for all education levels, or simply a discussion topic for people to talk about. What if you want to post a new topic or question? The user must sign-up and login using the very convenient in-page system. Once the user is logged in, they will see a button that will allow them to create their own topic or question.

If the user decides to view an existing post, they will be brought to a new page specific to the post they selected. Here they can see all the comments people have made related to this topic or question. They will be displayed in sequential order from when they were posted so it creates a conversation-like experience. Any user, logged in or not, can add to the conversation by simply using the button provided. This way we don't restrict the sharing of information to only those who have made an account.

If the user does have an account and created a post of their own, then they have control over that post. When viewing its specific page, if logged in, there is an option for the user to edit its information. This allows the user to change the title of the topic or question or even change the description itself. In extreme cases, the user can even choose to delete their post entirely.

This website is designed to be used as an information hub where people of any intelligence can share what they know or ask for new knowledge.

AJAX:

There is an inclusion of two AJAX calls in the design of this website. One of which is using an outside free API. The first of which is for when a user is attempting to add a new topic under a subject. When the user types in a title for the new topic and moves away from that input box, the server checks to see if that title is available in the subject. If it isn't available, the submit button becomes disabled.

The second AJAX usage involves the outside API located at <http://www.purgomalum.com/> which is essentially a profanity filter. Provided text, the API will determine if there is any profanity and return with either "true" or "false". We chose to use this API, because on a website where anyone can post a comment, there is a danger that someone will abuse this power. Therefore, using this API we don't allow any profanity to be posted to our website.

Important Notes:

Currently our implantation of this website only has five users, including the administrator, and does not allow anyone to create a new account. You must be logged in as one of these users to can edit or delete topic posts, but only those that that user has created.

There is a current bug with session caching. Once the user signs in, they are unable to logout. This is an unknown bug as "session_destroy()" is successfully being called. I narrowed it down to the "session_start()" function retrieving the login credentials for the last person who signed in. I'm not sure where it gets this information, but it causes the user to immediately sign back into their credentials. Manually clearing cookies solves this issue.

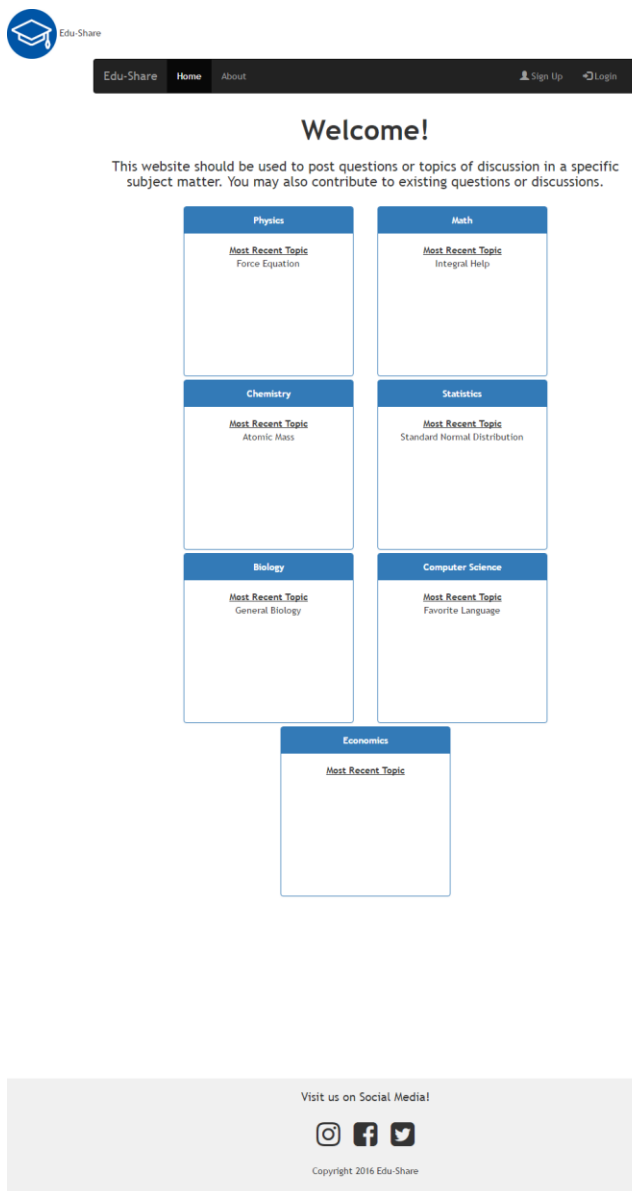
Login Credentials:

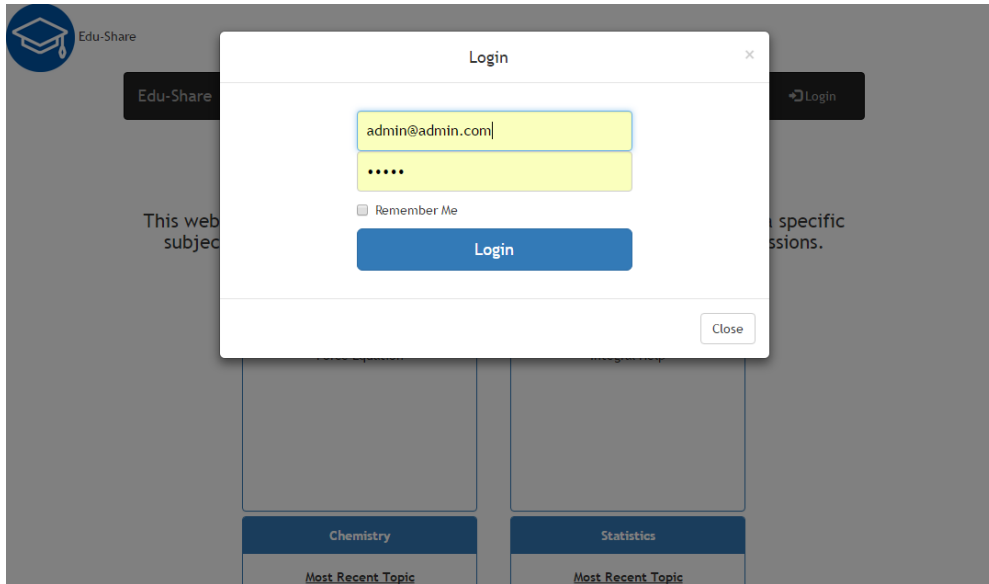
You shouldn't need all the credentials, but they're not difficult to find in the code. Below are two of them.

- Email: admin@admin.com
- Password: admin
- Email: alec@masterson.com
- Password: 1234

Screenshots:

These screenshots were taken during testing of the website. Please use your own investigation of the website as the genuine representation of our design. In the screenshots below you will find test data.





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Math

Below are the existing questions and discussions for this subject. You may add your own by signing in.

Integral Help

Author: Joey Watts

Topic

Can someone please explain how to do integration by parts?

Completing the Square

Author: Alec Masterson

Topic

How do you complete the square?

FOIL

Author: James Wilson

Topic

Can someone provide an example of how to FOIL an expression.

Test Topic

Author: Test Author

Topic

This is a test topic being added.

Test Author 2

Author:

Topic

sdfud

again

Author: Alec Masterson

Topic

sdf

again

Author: Admin

Topic

asd

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Completing the Square

Topic: How do you complete the square?

Here, if you want to, you can contribute by commenting your own response below.

By: Me
Another Test

By: Unknown
Comment er

[Add Comment](#)



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Here, if you want to, you can contribute by commenting your own response below.

By: Me
Another Test

By: Unknown

Add Comment

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