

HALIFAX SCIENCE LIBRARY PROJECT

MCDA5540 Winter 2020/21

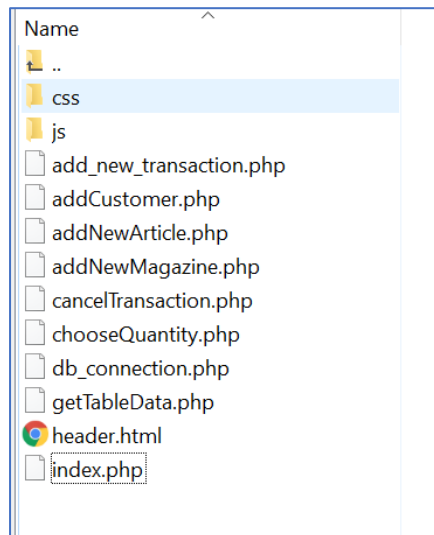
Team

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'Scripts.zip' location in dbcourse.cs.smu.ca : '/home/course/u45'

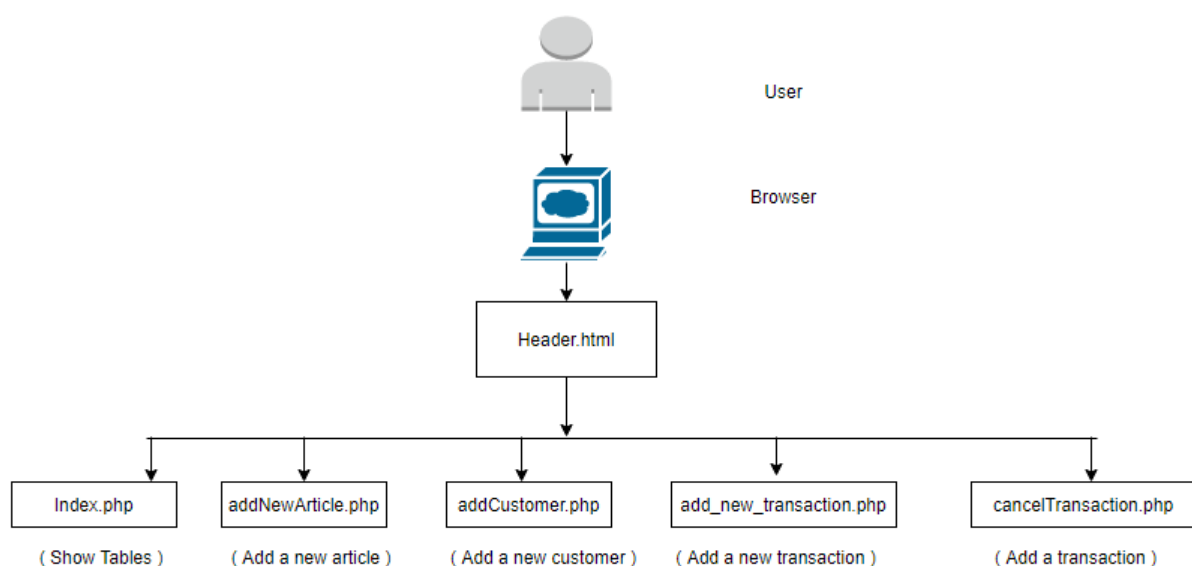
NOTE: Kindly read the ReadMe.txt in Scripts.zip

PHP application folder structure



The application's hierarchy is structured as above. The CSS and JS folder contains the Javascript and Bootstrap files needed for the application. MySQL logic of the application resides in the PHP files. Each major function of the web app has a file associated with it, plus any other supporting files.

PHP Application Workflow



All the PHP files require a connection to perform transactions with the database, the opening, and closing of connection lies in db_connection.php

1. Header (header.html)

Below is our home page and has navigation links to all other pages like Show tables, Add a new article, Add a new Customer, Add a new Transaction, Cancel a Transaction.

Welcome to HSL

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Choose...

Show Table data

2. Show Tables (index.php)

Show Tables page will display a dropdown with all available tables in the database and the user can select the table and on click of the button can view the data as well.

Welcome to HSL

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Choose...

Show Table data

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

AUTHOR

Total Records: 100

_id	lname	fname	email
1	Abbad	Houda	houda.abbad@lycos.com
2	Bannai	Hideo	bannai@inf.kyushu-u.ac.jp
3	Beyazit	Mutlu	beyazit@adt.upb.de
4	Blanchet-Sadri	Francine	blanchet@uncg.edu
5	Brzozowski	Janusz	brzozo@uwaterloo.ca

3. Add new Article (addNewArticle.php)

Magazine, volume, Publication year, Title, list of authors, and Pages are the inputs taken from the user. On submit, it successfully adds a new article to the database and updates the relevant tables.

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new article

Select Magazine

[Add a new Magazine](#)

Select Authors

Volume

Select Publication Year :

Title

Pages

[Submit](#)

On Click of Add new Magazine, below page will open and the user can enter a new Magazine.

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new Magazine

Magazine

Submit

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Magazine Added!

Add a new Magazine

Magazine

Submit

4. Add new Customer (add_new_customer.php)

First Name, Last Name, Address, and Telephone Number are the inputs from the users.
On submit, it successfully adds a new Customer to the database.

[Home](#)
[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new customer

First name

Last Name

Address

Telephone

A confirmation is shown if the customer with the same first name and last name exists. On click of Yes, it adds a new entry. On no, it goes back to add customer page.

[Home](#)
[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Customer already exists! Add new customer with same name?

5. Add New Transaction (add_new_transaction.php)

Customer Number and Name, Item id are the inputs from the users.

[Home](#)
[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new transaction

Customer

Choose... ▾

Items

Select Quantity

On button press, it prompts the user to choose a quantity for the items selected.

[Home](#)
[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new Transaction

Customer Id: 1

Choose Quantity

Item 2

2 ▾

Submit

It successfully adds new a transaction and corresponding transaction details to the database.

[Home](#)
[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Add a new Transaction

Customer Id:

Choose Quantity

Transaction Added! ×

Submit

6. Cancel a transaction (cancelTransaction.php)

Transaction Number is the input from the users. On submitting it removes entries for the given transaction number from CustTransaction and Txn_ITEM tables.

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Enter transaction number to cancel:

If entered transaction number is older than 30 days, the transaction cannot be canceled.

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

Error deleting transaction! Transaction is 103 days old. Transaction older than 30 days cannot be deleted. ×

Enter transaction number to cancel:

Home

[Show Tables](#) [Add a new article](#) [Add a new customer](#) [Add a new transaction](#) [Cancel a transaction](#)

No such transaction exists

Enter transaction number to cancel: