

# DATABASE PROJECT

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HALIFAX  
LIBRARY

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# Managing and Programming Databases

## Group Project Report

The project given is a web application capable of interfacing with a MySQL database which was built by our team from scratch.

### Order of Activities

1. Build an ER diagram that defines the basic schema behind MySQL
2. Use the given “existing\_tables.sql” file to form the basis for our MySQL instance and extend it with our own SQL script “new.sql”
3. Build a Python script and a corresponding Bash script “data2mongo” to load data from a JSON file into Mongo
4. Build another Python and Bash script combination “mongo2sql” to load cleaned up Mongo data into corresponding MySQL tables
5. Build a web app to wrap around all the previous work done.

### Technologies Used

- PHP – Interfaces with the MySQL database
- HTML – To build the front end of the web app
- JavaScript – To dynamically add text box in add articles and add transaction. Also used for some bootstraps in the php
- CSS – Used to import templates and beautify the web app

## Structure of Project

The project is completely built using php files that also house the HTML, CSS and JAVASCRIPT code within them to apply the front end. The home screen is the index.php file which have all the links for the other functions. User have a menu bar at the top of the page which have options :

Show Tables

Add in Table

Delete from Table

**Show Table** direct user to show record page where user can select any tables from the options and that option will direct the user to display page of table which illustrate the content of the tables.

**Add in Table** direct user to add new record page where user can choose any table to add content in that particular table.

Delete from Table will direct the user delete transaction page which will delete the transaction of a particular Id that user insert.

Credentials to run project

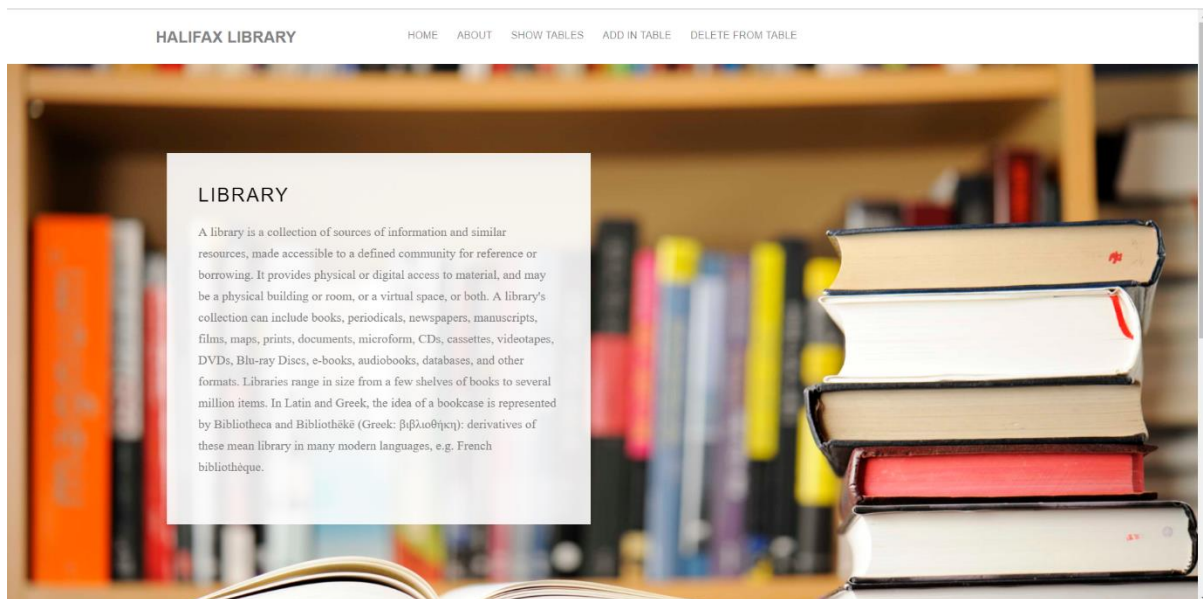
Server -u24

Password -azeti6ex

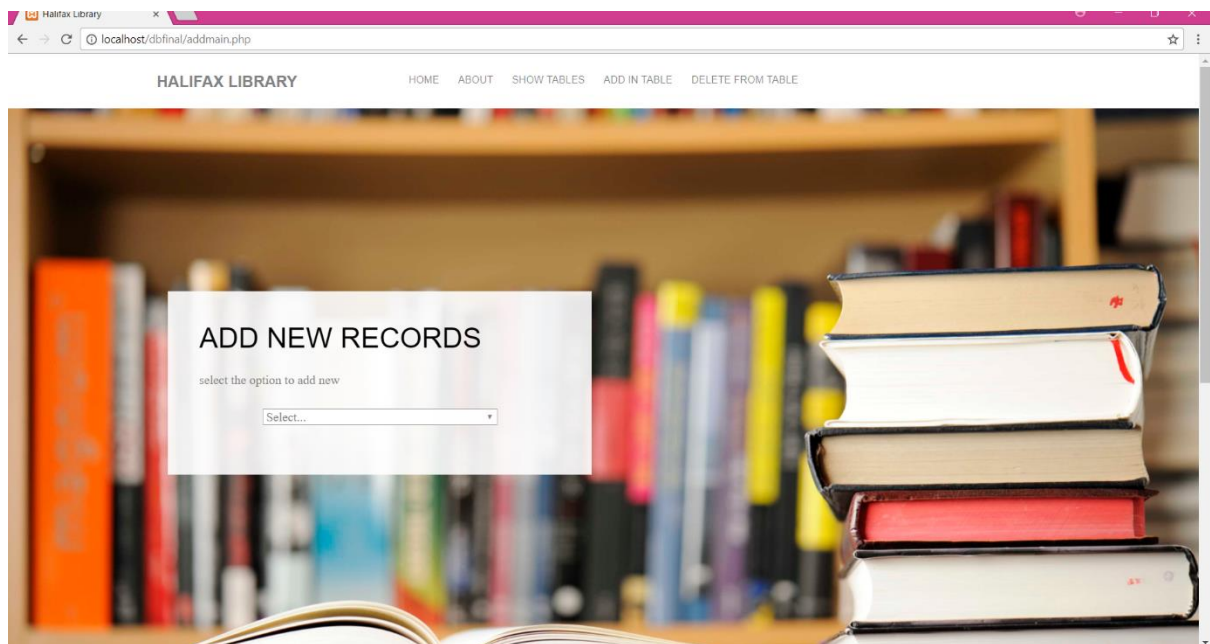
URL : <http://cda540.cs.smu.ca/~u24/db/main.php>

# SCREENSHOTS

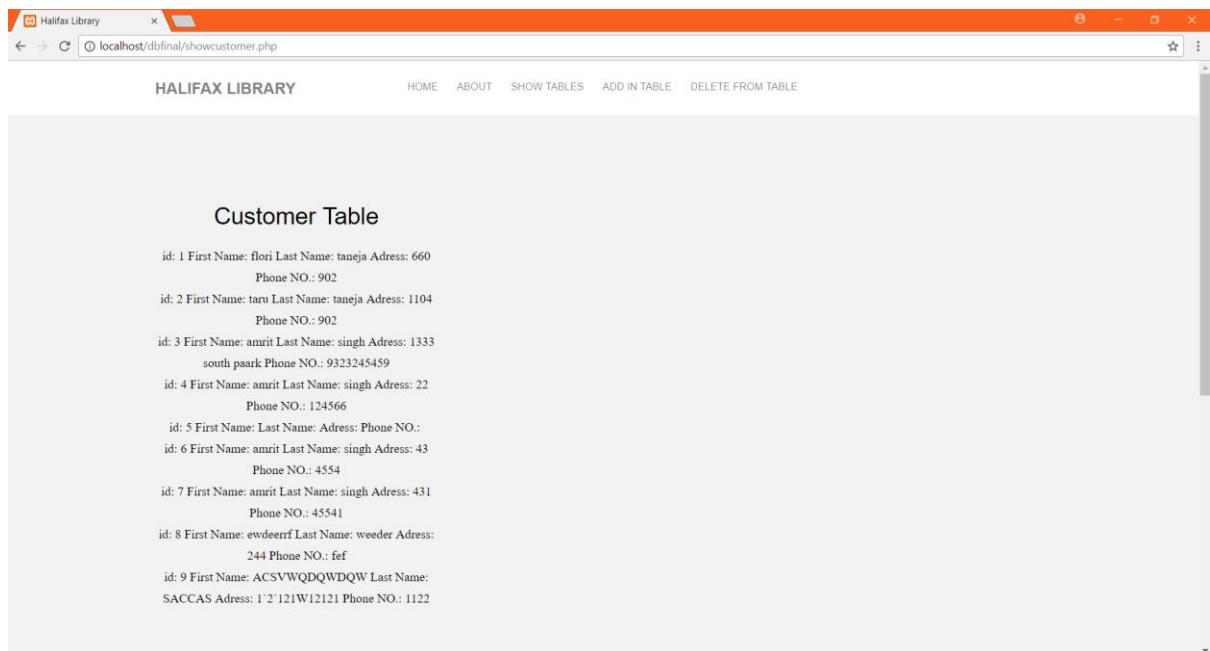
## INDEX PAGE



## ADD NEW RECORD PAGE

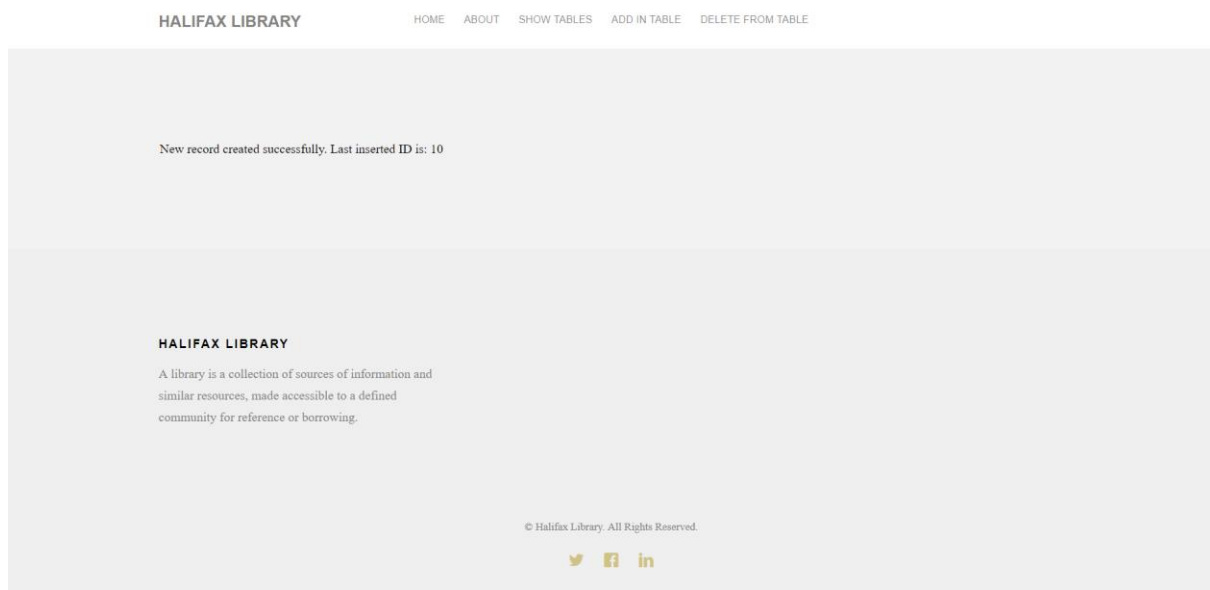


## SHOW CUSTOMER TABLE



Customer Table				
id: 1	First Name: flori	Last Name: taneja	Address: 660	Phone NO.: 902
id: 2	First Name: taru	Last Name: taneja	Address: 1104	Phone NO.: 902
id: 3	First Name: amrit	Last Name: singh	Address: 1333 south paark	Phone NO.: 9323245459
id: 4	First Name: amrit	Last Name: singh	Address: 22	Phone NO.: 124566
id: 5	First Name:	Last Name:	Address:	Phone NO.:
id: 6	First Name: amrit	Last Name: singh	Address: 43	Phone NO.: 4554
id: 7	First Name: amrit	Last Name: singh	Address: 431	Phone NO.: 45541
id: 8	First Name: ewdeerrf	Last Name: weeder	Address: 244	Phone NO.: fef
id: 9	First Name: ACSVWQDQWDQW	Last Name: SACCAS	Address: 1' 2' 121W12121	Phone NO.: 1122

## AFTER ADDING CUSTOMER





## DELETE TRANSACTION

Halifax Library

localhost/dbfinal/deletetransaction.php

HALIFAX LIBRARY

HOME ABOUT SHOW TABLES ADD IN TABLE DELETE FROM TABLE

Transaction

Transaction Numbers:

Submit

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## OUT OF DATE DELETE TRANSACTION RESULT

