Group 27 : Manatsa Chiomadzi, Andres Velazquez, Colby Berger, William Owens

COP 4710 final project

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Software Development Environment

How to run:

Project runs with html and php, Development was mostly done in Visual Studio Code.

Requirements:

1. **htdocs** folder from the [Database-Project](https://github.com/andresvelazq/database-project) repository containing the page files
2. The database sql file in repository [**cop4710project.sql**](https://github.com/andresvelazq/database-project/blob/main/cop4710project.sql)
3. **sendmail** and **php** folders form repository

External requirements:

Installing XAMPP Control Panel (any version will suffice)

1. phpMyAdmin (local host)
2. A browser

  Database Password ="THISisap@ssword"

1. After Installation of XAMPP.
2. Browse to installation directory: ***path\xampp*** replace the current htdocs with the htdocs from repo or copy the file contents into it.
3. Open the XAMPP and click start buttons under action on Apache and MSQL ensure that your port 3306 is open for you may stop services using the port. then click admin to open phpMyAdmin.

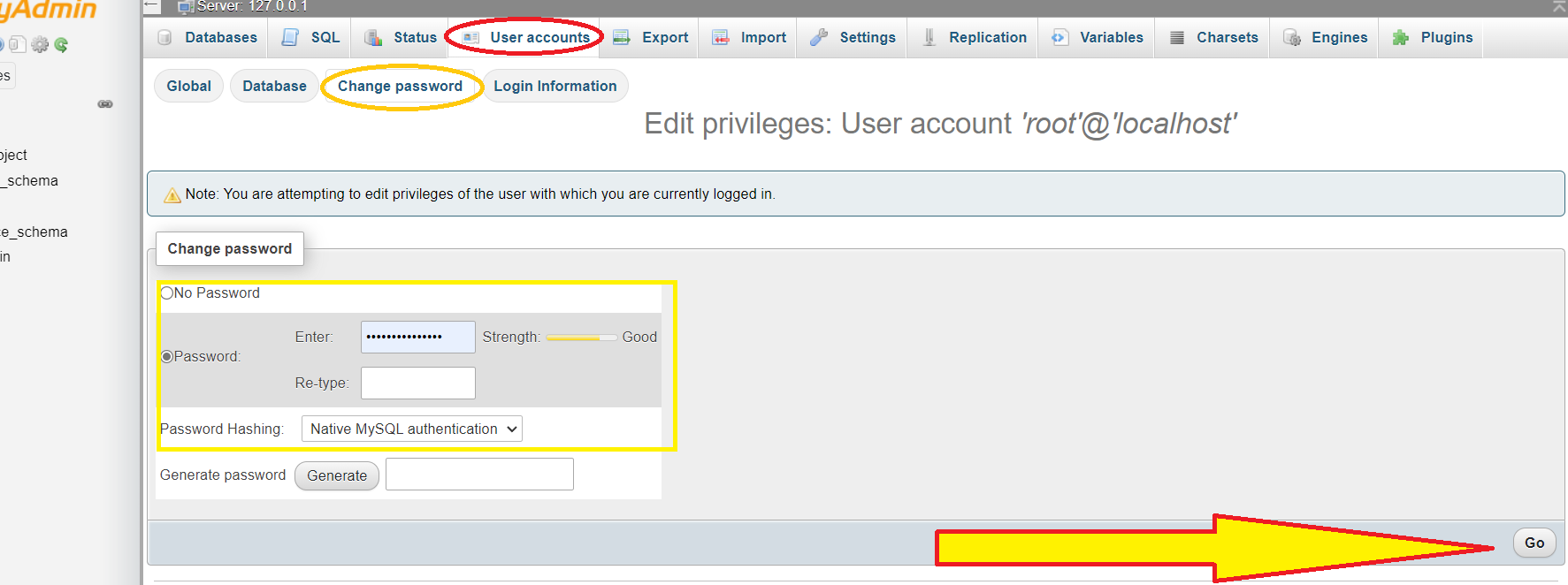
Graphical user interface

Description automatically generated

1. Open your phpMyAdmin local host on a browser under user accounts click edit privilege, change password to Database Password THISisap@ssword

Graphical user interface, text, application

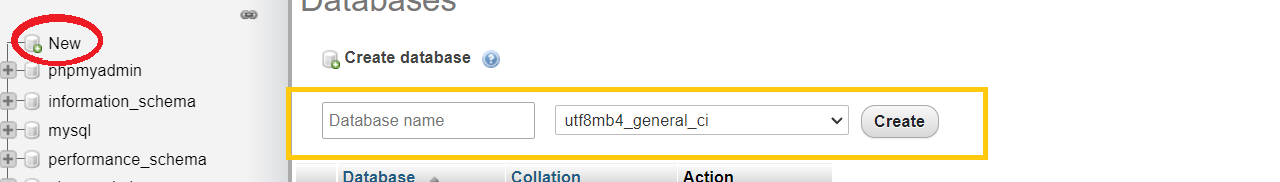
Description automatically generated



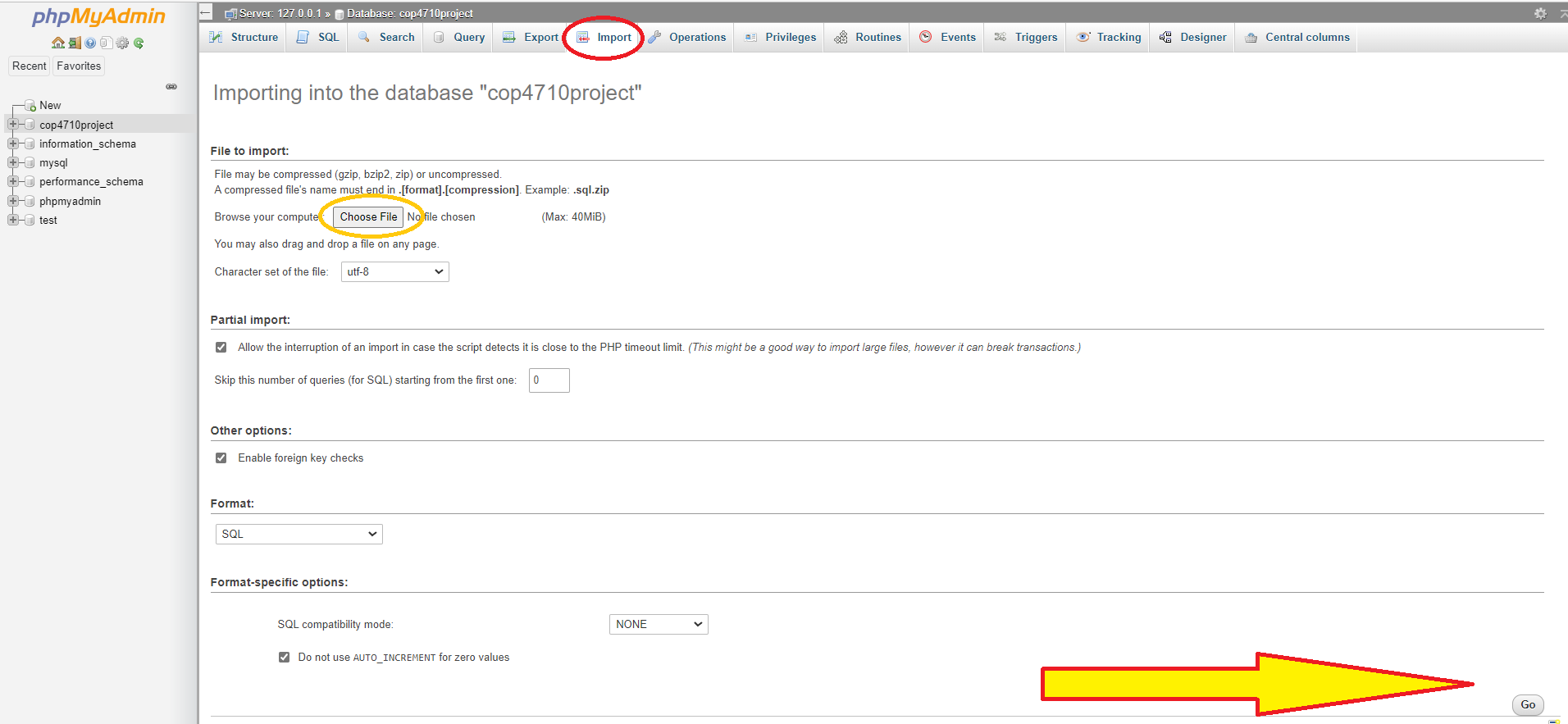
1. Browse to phpMyAdmin folder in xampp folder: ***path\xampp\phpMyAdmin*** open the **conflig.inc.php** and for the authentication add the line then save :

$cfg['Servers'][$i]['password'] = 'THISisap@ssword';

1. Open the XAMPP and click admin button on my MySQL the button should open the phpMyAmin localhost
2. Click New to create database. The database name should be cop4710project



1. After creating database import the [**cop4710project.sql**](https://github.com/andresvelazq/database-project/blob/main/cop4710project.sql) sql file from the repository into the created database



1. Browse to php folder in xampp folder: ***path\xampp\php*** replace the php.ini file with the file in php folder
2. Browse to sendmail folder in xampp folder: ***path\xampp\sendmail*** replace the sendmail.ini file with the file in send mail folder

Database Design

Five tables were used to handle the data for the book request site.

1. Staff Table
   * Id(INT) – PRIMARY KEY, auto incremented. Used as index.
   * Fname(TEXT) – First name of staff member.
   * Lname(TEXT) - Last name of staff member.
   * Email(TEXT) – Email of staff member.
   * Password(TEXT) - Password of staff member.
   * Secret(TEXT) – Secret answer of staff member. Used for password recovery.
   * Reset(BOOL) – Used to identify whether password has been reset, user must create a new password.
   * Sadmin(BOOL) – Used to identify the super admin.
2. Professors Table
   * Id(INT) – PRIMARY KEY, auto incremented. Used as index.
   * Fname(TEXT) – First name of professor.
   * Lname(TEXT) - Last name of professor.
   * Email(TEXT) – Email of professor.
   * Password(TEXT) - Password of professor.
   * Secret(TEXT) – Secret answer of professor. Used for password recovery.
   * Reset(BOOL) – Used to identify whether password has been reset, user must create a new password.
3. Books Table
   * Id(INT) – PRIMARY KEY, auto incremented. Used as index.
   * Title(TEXT) – Title of the book.
   * Author(TEXT) – Author of the book.
   * ISBN(TEXT) – ISBN of the book.
   * Edition(TEXT) – Edition of the book.
   * Publisher(TEXT) – Publisher of the book.
4. Requests Table
   * Id(INT) – PRIMARY KEY, auto incremented. Used as index.
   * Pid(INT) – FOREIGN KEY, shares relationship with professors(id).
   * Bid(INT) – FOREIGN KEY, shares relationship with books(id).
   * Cid(VARCHAR[10]) – Course number of requests from professors.
   * Semester(VARCHAR[10]) – Semester of the request from professors (summerSem, springSem, fallSem).
   * Qty(INT) – Quantity of the requests from professors.
5. Deadlines Table
   * Semester(VARCHAR[10]) – PRIMARY/FOREIGN KEY, shares relationship with requests(semester).
   * Deadline(DATE) – Date of the book submission deadline for a given semester.

Division of Work

* Manatsa Chiomadzi – Staff pages
  + staffMenu.php
  + updateDB.php
  + staffManageStaff.php
  + staffManageFaculty.php
  + staffViewRequest
  + addFacultyTuple.php
  + addStaffTuple.php
  + software development design document
* Andres Velazquez – Mail pages.
* Colby Berger – Staff pages.
  + updateDB.php
  + forgotpw.php
  + staffManageFaculty.php
  + resetPass.php
  + staffManageStaff.php
* William Owens – Login & Professor pages, Database design.
  + addBookTuple.php
  + addFacultyTuple.php
  + checkpassCreate.php
  + checkpassReset.php
  + dbpdo.php
  + forgotpw.php
  + index.php
  + login.php
  + professorBookRequest.php
  + professorCreate.php
  + professorNewAdd.php
  + professorRequestBook.php
  + professorUpdateBook.php
  + staffManageFaculty.php
  + resetPass.php
  + updateDB.php

Meeting Attendance

All members were present for all meetings.