



# PROJECT PROTOTYPE

## INFM603

### ALUMNI DATA

### AND

### ENGAGEMENT TRACKING

### SYSTEM

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WE PLEDGE ON OUR HONOR THAT WE HAVE NOT GIVEN OR RECEIVED ANY  
UNAUTHORIZED ASSISTANCE ON THIS ASSIGNMENT

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## I. Login Page for Admin

We are having a single standard username and password for all the faculty and staff.

(Username: admin, password: admin)

← → ↻ ⓘ localhost/docs/login/login.php

### Sign In

Username : admin

Password : .....

Login

On clicking the “login” button, the username and password is validated against the credentials stored in the login (loginsystem.db) database.

After the successful authentication, the login page redirects to output.php which displays the registered alumni details from (alumnidetails.db) database.

← → ↻ ⓘ localhost/docs/webform/output.php

### List of Alumni

First Name	Last Name	Program	Graduation Year	Contact number	E-mail	Focus Area	Organization Name	Job Title	Areas of Interest	Available day	Available time
Harshitha	Ramachandra	MIM	2020	+1 5715678890	harshi07@umd.edu	Data Analytics	Walmart	data analyst	Mentoring	Tuesday	Afternoon
Sharvil	Shastri	MIM	1995	789-647-7856	sstri@umd.edu	Data Analytics	Google	Front end Developer	Mock Interviews	Friday	Evening
Shashank	R	MIM	2000	+1 5715678789	shram@umd.edu	Cybersecurity	Apple	Data Scientist	Mentoring	Tuesday	Afternoon
Sandra	S	MIM	1998	4367535659	sstaub@umd.edu	Strategic Management	UMCP	Manager	Mock Interviews	Thursday	Morning

In case the entered login credentials are not valid, we will be showing the error message as below.

← → ↻ ⓘ localhost/docs/login/login.php?error=wrongcredentials

### Sign In

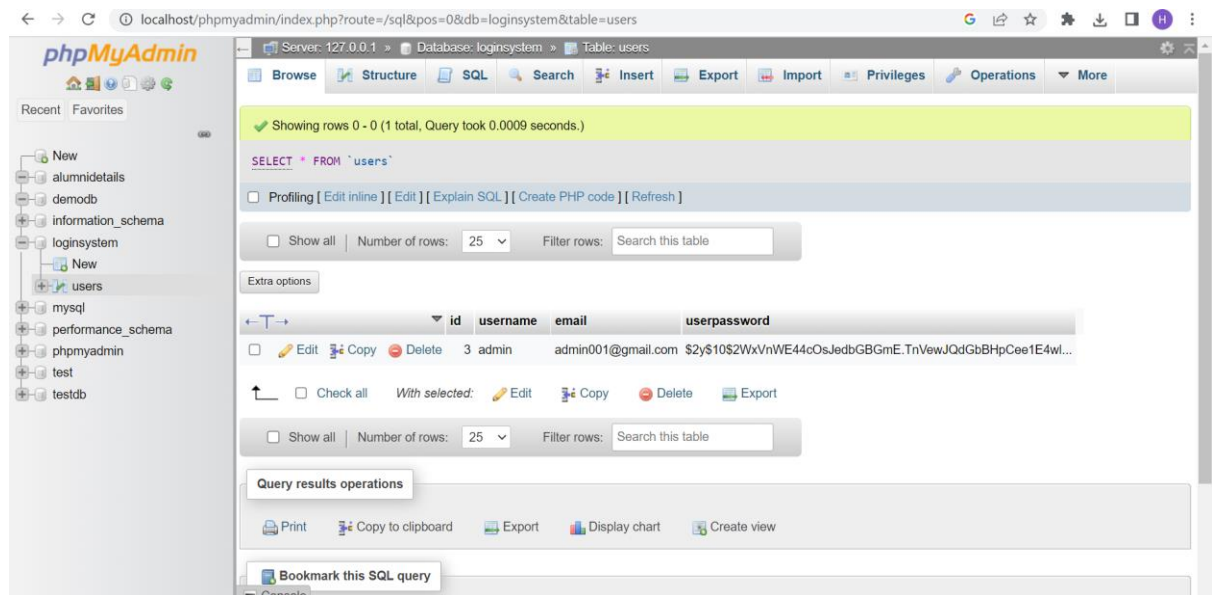
Invalid credentials

Username :

Password :

Login

The database for the Login page is as below. It contains the username, email and password set by the admin. The password is hash encrypted for security.



#### ➤ Future Scope

- For any new/additional users to get access, a message would be shown to drop an email request to the management which would be verified and granted.
- A functionality to filter the information of alumni obtained from the database based on required criteria.
- Logout functionality.

## II. Alumni Webform

The screenshot shows a web browser window displaying the 'Alumni Webform' page. The browser's address bar shows 'localhost/docs/webform/webform.php'. The page header includes the University of Maryland logo and navigation links: NEWS, EVENTS, APPLY, GIVE, CONTACT, ABOUT, RESEARCH, ACADEMICS, ALUMNI, PARTNERS. The main content area is titled 'Alumni Webform' and contains three sections:

- Personal Information:** Fields for First Name, Last Name, Program, Graduation Year, Contact Number, Email ID, and Focus Area (dropdown menu).
- Employer Information:** Fields for Organization Name and Job Title.
- Volunteering Information:** Fields for Areas of Interest, Day of the week, and Time of the day (all dropdown menus).

A red 'REGISTER' button is located at the bottom right of the form. The footer contains contact information and social media links.

Our webform page consists of header, body and footer which are designed using HTML, CSS and PHP. The header and footer is replicated from the current iSchool website and integrated to complement our form functionality.

Webform consists of the following fields which are made mandatory:

### Personal Information:

1. First Name: Input type - text
2. Last Name: Input type - text
3. Program: Input type - text

4. Graduation Year: Input type - number input between 1990 and 2022.
5. Contact Number: Input type - tel
6. Email id: Email Input type – email, which will verify the entered email id is in the right format.
7. Focus Area: Input type – option, which would let the user single select from the dropdown.

#### Employer Information:

1. Organization name: Input type – text
2. Job title: Input type – text


#### Volunteering Information:

1. Areas of Interest: Input type – option, which would let the user single select from the dropdown.
2. Day of the week: Input type – option, which would let the user single select from the dropdown.
3. Time of the day: Input type – option, which would let the user single select from the dropdown.

When the user correctly enters all the fields, and clicks the “REGISTER” button, the following is the sequence in the functionality:

1. “insertdb.php” will get executed by the “action” attribute in the form tag. The php file will take the input values from “webform.php” and enters it into the respective columns of “alumnidetails.db” database.
2. The user will be redirected to “success.html” page which displays the message along with an option to submit a new form.

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NEWS EVENTS APPLY GIVE CONTACT

ABOUT RESEARCH ACADEMICS ALUMNI PARTNERS

### Alumni Webform

Personal Information

First Name

Sakshi

Last Name

R

Program

MIM

Graduation Year

2002

Contact Number

674-783-5271


Email ID

sr@umd.edu

Focus Area

Information Risk Management

← → ↺ localhost/docs/webform/success.html 🔍 📄 ☆ ⚙️ 📄 📄 H ⋮



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




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NEWS EVENTS APPLY GIVE CONTACT  
ABOUT RESEARCH ACADEMICS ALUMNI PARTNERS

Thank you for your response. The details have been successfully submitted.  
You will be contacted soon by the faculty of the iSchool

**FILL OUT ANOTHER FORM**

CONTACT NEWS EVENTS JOBS FACULTY & STAFF RESOURCES PRIVACY POLICY WEB ACCESSIBILITY



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The screenshot shows the phpMyAdmin interface with the 'alumni' database selected. The 'alumni' table is displayed, showing 5 rows of data. A red arrow points to the last row of the table.

	id	FirstName	LastName	Program	FocusArea	gradyear	Email	phone	orgname	title	interest	availableday	timeofday
<input type="checkbox"/>	23	Hanshiha	Ramachandra	MM	Data Analytics	2020	harsh07@umd.edu	+1 571567890	Walmart	data analyst	Mentoring	Tuesday	Afternoon
<input type="checkbox"/>	36	Sharvil	Shastri	MM	Data Analytics	1995	sstir@umd.edu	789-647-7856	Google	Front end Developer	Mock Interviews	Friday	Evening
<input type="checkbox"/>	37	Shashank	R	MM	Cybersecurity	2000	shram@umd.edu	+1 5715678789	Apple	Data Scientist	Mentoring	Tuesday	Afternoon
<input type="checkbox"/>	38	Sandra	S	MM	Strategic Management	1998	sstaub@umd.edu	4367536659	UMCP	Manager	Mock Interviews	Thursday	Morning
<input type="checkbox"/>	39	Sakshi	R	MM	Information Risk Management	2002	sr@umd.edu	674-783-5271	Paramount	Data Engineer	Resume Review	Thursday	Afternoon

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Here are few changes we have implemented based on the feedback on our project design.

1. We have implemented what days and times are generally good (Monday through Friday) (Morning, afternoon, evening).
2. We have restricted the “areas of interests” field as per our earlier discussion with our client David Loshin. (Mentoring, Resume reviews, Alumni panel discussions and Mock interviews).
3. We have our “Focus area” field with current courses that are being offered with “none of the above” option as well. Adding more fields or removing it would be a scope beyond the project as part of continuous improvement and maintenance.

#### ➤ Future Scope

Hosting the website online (preferably on cloud which is agnostic).

### III. Installation

To execute our project, we will be using XAMPP, a cross platform software package that consists of php, MySQL and Apache HTTP server.

The below installation is for Windows.

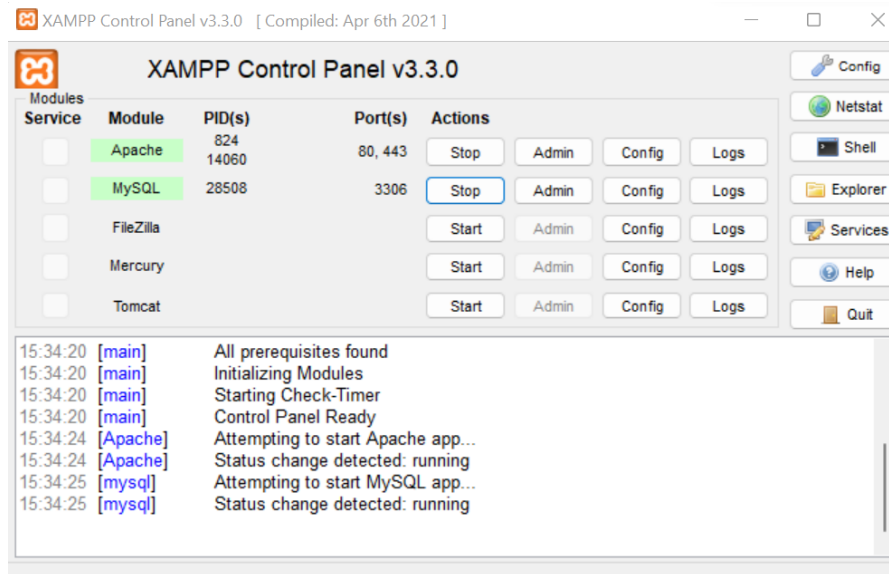
**Step 1:** Here’s the link to install XAMPP. (Choose the download option based on system OS)

<https://www.apachefriends.org/>

**Step 2:** XAMPP control panel will open after successful installation, click on the “START” button next to Apache and MySQL.

This will set up our local web server and mySQL database and configures them.



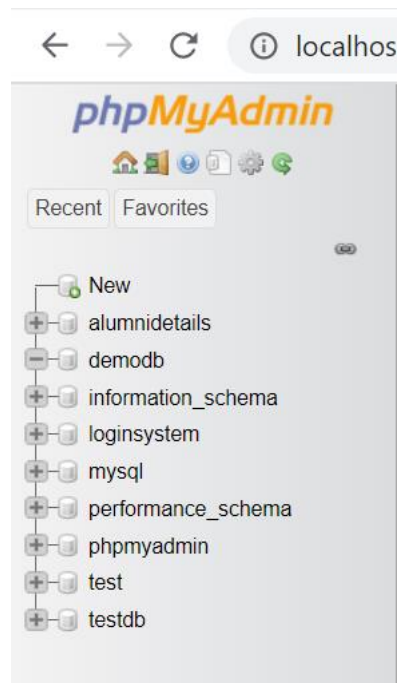


**Step 3:** Locate the path where XAMPP is installed (usually it's in C:// drive), copy our "docs" folder (given as part of submission) under "**htdocs**" folder.

**Step 4:** Open the web-browser and go to "localhost/phpMyAdmin".

PhpMyAdmin is a GUI for the mySQL database. We will now create the two databases required for execution.

- **alumnidetails:** To create a new database, click on "New" and enter "**alumnidetails**" as the name of your first database.



Now inside the alumnidetails db click on the "import" button and choose the "**alumni.sql**" file attached in our submission. This will create the alumni table that our webform will connect to.

You should be able to see the record as shown below.

Showing rows 0 - 4 (5 total, Query took 0.0003 seconds)

```
SELECT * FROM `alumni`
```

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	id	FirstName	LastName	Program	FocusArea	gradyear	Email	phone	orgname	title	interest	availableday	timeofday
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	23	Harshitha	Ramachandra	MIM	Data Analytics	2020	harshi07@umd.edu	+1 5715678890	Walmart	data analyst	Mentoring	Tuesday	Afternoon
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	36	Sharvil	Shastri	MIM	Data Analytics	1995	sstri@umd.edu	789-647-7856	Google	Front end Developer	Mock Interviews	Friday	Evening
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	37	Shashank	R	MIM	Cybersecurity	2000	shram@umd.edu	+1 5715678789	Apple	Data Scientist	Mentoring	Tuesday	Afternoon
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	38	Sandra	S	MIM	Strategic Management	1998	sstaub@umd.edu	4367535659	UMCP	Manager	Mock Interviews	Thursday	Morning
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	39	Sakshi	R	MIM	Information Risk Management	2002	sr@umd.edu	674-783-5271	Paramount	Data Engineer	Resume Review	Thursday	Afternoon

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

- loginsystem: Click on “New” again and enter “**loginsystem**” as the name of your second database.

Now inside the loginsystem db click on the “import” button and choose the “**users.sql**” file attached in our submission. This will create the login table that has login credentials of user admin (username: admin, password: admin). Our login page will verify against these values.

Showing rows 0 - 0 (1 total, Query took 0.0005 seconds)

```
SELECT * FROM `users`
```

Number of rows: 25 | Filter rows: Search this table

	id	username	email	userpassword
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	admin	admin001@gmail.com	\$2y\$10\$2WxVnWE44cOsIedBGBGmE.TnVewJQdGbBHpCee1E4w...

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

#### IV. Execution

**Step 1:** Go to “<localhost/docs/webform/webform.php>” on the web-browser. This should display our webform page. Complete the webform and click on register. It should re-direct the user to the success page.

To verify the submission, refresh the “alumni” table in phpMyAdmin.

**Step 2:** Go to “<localhost/docs/login/login.php>” on the web-browser. This should land on our login page which can be signed-in using the above-mentioned credentials. Upon signing in, the webpage will display the alumni table and all the registered entries in it.