



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**FACULTY OF COMPUTING**  
UTM Johor Bahru

---

# **SECV2223 - WEB PROGRAMMING**

## **FINAL PROJECT DOCUMENTATION**

Semester 2 2024/2025

---

Section 01

Group: Byte Builder

<b>NAME</b>	<b>MATRIC NUMBER</b>	<b>Github</b>
AMELIA ADLINA BINTI AZRUL	A23CS0043	<a href="https://github.com/ameliaadlina/WEB-PROGRAMMING">https://github.com/ameliaadlina/WEB-PROGRAMMING</a>
ALDANISHA MUADZ BINTI MUZAFFAR	A23CS0039	<a href="https://github.com/aldanisha/WEB-PROGRAMMING">https://github.com/aldanisha/WEB-PROGRAMMING</a>
PHAVANEE KATRIYA PHON-AMNUAISUK	A23CS0170	<a href="https://github.com/Phavanee/SECV2223---WEB-PROGRAMMING">https://github.com/Phavanee/SECV2223---WEB-PROGRAMMING</a>

Lecturer: **TS. DR. SARINA BINTI SULAIMAN**

Date: 30<sup>th</sup> June 2025

Website Link: [samplestudee.ct.ws](http://samplestudee.ct.ws)

## TABLE OF CONTENTS

<b>INTRODUCTION</b>	<b>2</b>
<b>OBJECTIVE</b>	<b>2</b>
<b>PROJECT ARCHITECTURE</b>	<b>3</b>
<b>FUNCTIONALITY</b>	<b>4</b>
<b>SETTING UP THE PROJECT LOCALLY/WEB DEPLOYMENT</b>	<b>6</b>
Local Setup (Using XAMPP)	6
Web Deployment (Using InfinityFree)	7
<b>DATABASE CONFIGURATION</b>	<b>8</b>
<b>RUNNING THE APPLICATION</b>	<b>9</b>
All Users	9
Students	12
Employers	15
Admin	20
<b>DEPENDENCIES</b>	<b>25</b>

## INTRODUCTION

**Studeework** is a centralized job-hunting platform specifically designed for university students. It aims to connect students with relevant job opportunities both on campus. Whether it's part-time jobs, internships, freelance work, or campus-related tasks, Studeework provides a fast and reliable space to find and post them.

The platform is open not just to students seeking jobs, but also to university staff, departments, and external employers who wish to offer opportunities. By streamlining the job search and application process, Studeework helps students gain experience while making it easier for job providers to reach the right candidates.

With a user-friendly interface and real-time updates, Studeework serves as an all-in-one hub for student employment, making the process more organized, efficient, and accessible.

## OBJECTIVE

- To provide a **centralized platform** for UTM students to discover various earning opportunities in one place.
- To support **students** in **earning income** while studying by offering flexible job options such as part-time work and freelance gigs.
- To **connect job providers**, including university staff, departments, and external employers, with students who are capable and available to work.
- To streamline the job posting and application process through a fast, reliable, and user-friendly system.
- To enhance students' career readiness and experience by exposing them to real-world working environments during their studies.

## **PROJECT ARCHITECTURE**

Studeework is built based on a **Client-Server Architecture**, a common model used in web applications. In this architecture, the system is divided into two main roles: the client (frontend) and the server (backend). Each part has its responsibility, and they communicate with each other over the internet.

### **a) Front-End**

- **HTML:** To build the structure and content of the web pages
- **CSS:** To style the website, providing a clean and responsive layout
- **JavaScript:** To add interactivity and dynamic content, like form validation and page responsiveness

### **b) Back-End**

- **PHP** handles the server-side logic, processes user input, manages user sessions, and connects with the database
- It also controls how job posts, applications, and user data are created, stored, and retrieved

### **c) Database**

- **MySQL** is used to store all the website's data, including user account information, job listings, and applications
- The database is connected to the PHP backend using MySQL

## FUNCTIONALITY

Module	Functionality
Student	<ol style="list-style-type: none"><li>1. Register</li><li>2. Sign in</li><li>3. Filter jobs by name</li><li>4. Sort jobs</li><li>5. Apply for jobs</li><li>6. View application history</li><li>7. Delete job application</li><li>8. Rate jobs</li><li>9. Edit profile</li><li>10. Chatbot assistance</li><li>11. Logout</li></ol>
Employer	<ol style="list-style-type: none"><li>1. Register</li><li>2. Sign in</li><li>3. Post jobs</li><li>4. View jobs posted</li><li>5. Sort jobs posted</li><li>6. Edit jobs posted</li><li>7. Delete jobs posted</li><li>8. View applicants</li><li>9. Filter applicants by name</li><li>10. Sort applicants</li><li>11. Update applicant status</li><li>12. Rate applicants</li><li>13. Edit profile</li><li>14. Chatbot assistance</li><li>15. Logout</li></ol>

Admin	<ol style="list-style-type: none"><li>1. Sign in</li><li>2. View unverified students</li><li>3. Verify students</li><li>4. View unverified employers</li><li>5. Verify employers</li><li>6. View all students</li><li>7. Delete students</li><li>8. View all employers</li><li>9. Delete employers</li><li>10. View all job postings</li><li>11. Delete job postings</li><li>12. Logout</li></ol>
-------	---

## SETTING UP THE PROJECT LOCALLY/WEB DEPLOYMENT

This document provides detailed instructions for setting up the project both **locally** using XAMPP and for **web deployment** using a hosting provider such as InfinityFree.

### Local Setup (Using XAMPP)

To run the project on your local machine, follow these steps:

#### 1. Prerequisites

1. Download and install XAMPP (ensure both Apache and MySQL are included).
2. Download the complete project source code.

#### 2. File Placement

1. Extract or move the project source code to the htdocs directory inside your XAMPP installation folder (usually located at: `C:\xampp\htdocs\`).
  - a. Example: `C:\xampp\htdocs\YourProjectFolder`

#### 3. Database Setup

1. Launch XAMPP and start both the Apache and MySQL services.
2. Click the Admin button next to MySQL to open phpMyAdmin.
3. Navigate to the SQL tab.
4. Open the provided schema.sql file from the project folder and copy its contents.
5. Paste the SQL code into phpMyAdmin's SQL interface and click Go.
6. The required database and tables will now be created.
7. Open db.php in any text editor and configure the database details accordingly. See "DATABASE CONFIGURATION" for a more detailed walkthrough.

#### 4. Run the Application

1. Open your browser and visit `http://localhost/yourProjectFolder`
2. The login page should appear, indicating a successful setup.

## Web Deployment (Using InfinityFree)

To deploy the project online, follow these steps:

### 1. Register for Hosting

1. Create a free account at InfinityFree.
2. Set up a domain or subdomain for your website.

### 2. Upload Project Files

1. Log into the InfinityFree Control Panel.
2. Navigate to File Manager > htdocs directory.
3. Upload all source code files from your local project directory into htdocs.

### 3. Database Configuration

1. Create a new MySQL database named 'jobhunt' from the MySQL Databases section in the control panel.
2. Take note of these details and copy them into a text file:
  - a. MySQL host
  - b. Database name
  - c. Username
  - d. Password
3. Open db.php in any text editor and configure the database details accordingly. See "DATABASE CONFIGURATION" for a more detailed walkthrough.
4. Access phpMyAdmin from the hosting control panel.
5. Select the created database.
6. Import the schema.sql file.

### 4. Access Your Site

1. Visit your custom domain (e.g., <http://yourproject.infinityfreeapp.com>)
2. It may take a few minutes to 24 hours for the site to be available due to dns caching. Once available, your site will be live.



## DATABASE CONFIGURATION

To establish a connection between your project and the MySQL database, follow the steps below:

### 1. Locate db.php

- Open the db.php file located in the root directory of your project using any text editor (e.g., VS Code, Notepad++).

### 2. Update Database Credentials

- In db.php, locate the following variables and update them according to your environment:

```
1  <?php
2  $host = 'localhost';
3  $user = 'root';
4  $password = '';
5  $dbname = 'jobhunt';
```

For local hosting using XAMPP software, the following credentials are the default:

```
$hostname = 'localhost';      // Hostname (e.g., 'localhost' or
remote host address)
$username = 'root';           // Database username
$password = '';               // Database password
$dbname    = 'your_db_name';  // Name of the database
```

For web hosting using InfinityFree, hostname, username, password, and dbname should be copied exactly as in the control panel.

### 3. Check Connection

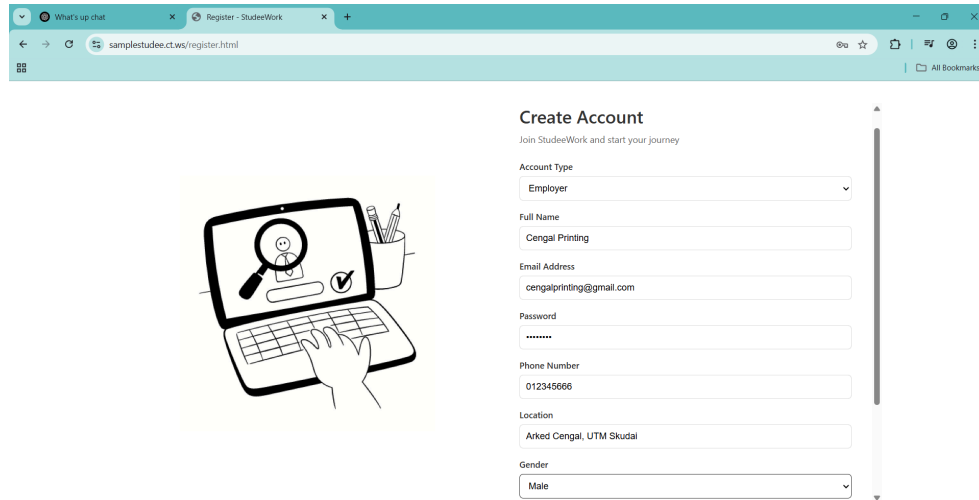
Once you have configured the database credentials:

- Load your application in the browser.
- If the database is set up correctly, the connection will be established and the app will function normally.
- If there's a connection error, double-check the credentials and ensure the database has been imported.

## RUNNING THE APPLICATION

### All Users

#### 1. Register an Account

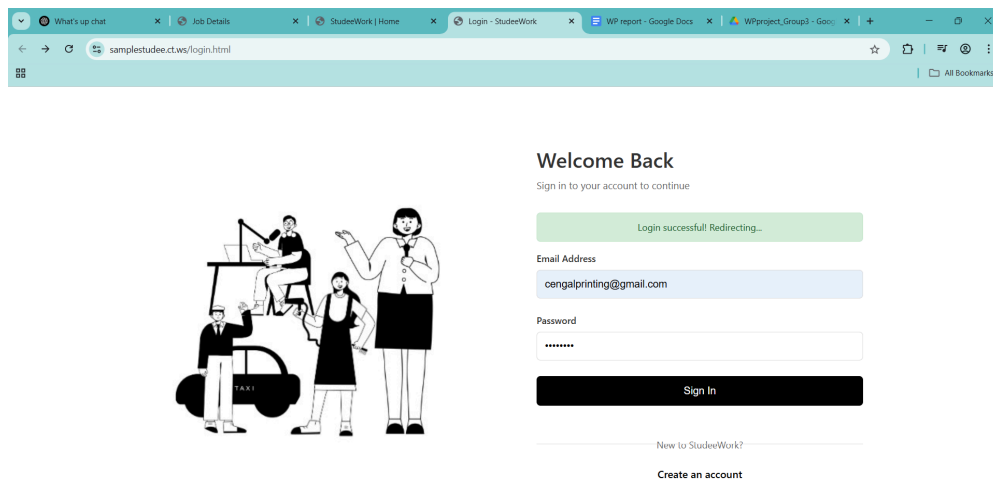


The screenshot shows a web browser window with the URL `samplestudee.ct.ws/register.html`. The page is titled "Create Account" and includes the subtext "Join StudeeWork and start your journey". On the left, there is an illustration of a hand using a laptop with a magnifying glass over a person icon. The registration form on the right contains the following fields:

- Account Type: A dropdown menu with "Employer" selected.
- Full Name: A text input field containing "Cengal Printing".
- Email Address: A text input field containing "cengalprinting@gmail.com".
- Password: A text input field with masked characters "\*\*\*\*\*".
- Phone Number: A text input field containing "012345666".
- Location: A text input field containing "Arked Cengal, UTM Skudal".
- Gender: A dropdown menu with "Male" selected.

Users must register an account by providing basic details before signing in. This allows secure access to the website features.

#### 2. Sign In



The screenshot shows a web browser window with the URL `samplestudee.ct.ws/login.html`. The page is titled "Welcome Back" and includes the subtext "Sign in to your account to continue". On the left, there is an illustration of a group of people, including a taxi driver and passengers. The sign-in form on the right contains the following elements:

- A green success message: "Login successful! Redirecting..."
- Email Address: A text input field containing "cengalprinting@gmail.com".
- Password: A text input field with masked characters "\*\*\*\*\*".
- A black "Sign In" button.
- A link for new users: "New to StudeeWork? Create an account".

After registering, users are redirected to the sign-in page. They log in using their credentials, and a success message is displayed upon successful login.

### 3. Edit Profile

**Personal Details**

**Full Name \***  
Phavane Katriya

**Phone Number \***  
01212345678

**Email \***  
phavane@student.com

**Location \***  
KTR

**Gender \***  
Female

**Account Type**

☒ **Job Seeker**  
Looking for a job

☐ **Employer**  
Hiring, sourcing candidates, or posting jobs

**Save Profile**

**Modal:**  
samplestudee.ct.ws  
Profile updated successfully!  
OK

Users can edit their profile information, such as name, email, contact number, skills, and other relevant details to keep their account up to date.

### 4. Chatbot Assistance

**STUDEEWORK**  
Learn While You Learn

Post Jobs Applicants

## Applicants

Applicants Rate

Sort by Date Applied (Newest)

Search Applicants

Job Title	Applicant Name	Email
-----------	----------------	-------

**Jobi**  
Your friendly StudeeWork assistant

Today

Hi Jobi, I live near dewan banquet utm and am interesting in music. what job should I do?

Based on your interest in music and your location near Dewan Banquet UTM, I found a job opportunity:  
**Job Title:** Live Performance Guitarist  
**Location:** Dewan Banquet UTM

Would you like more details or assistance applying?

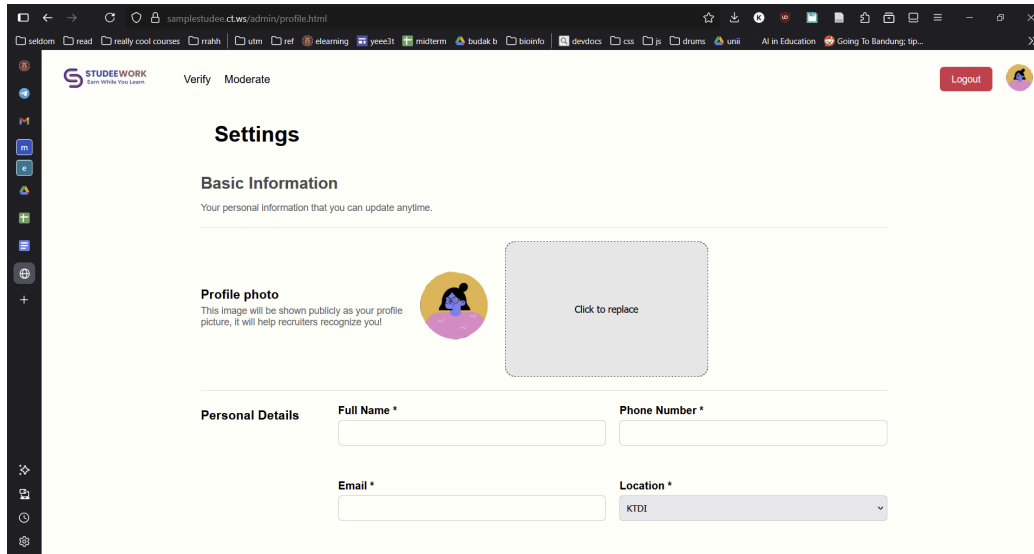
Ask a question...

by Botpress

© 2025 Byte Builders — Built as a project for SECV2223 Web Programming

A virtual assistant integrated into the platform to help users navigate the website, answer common questions, and provide job recommendations, available 24/7 for instant support.

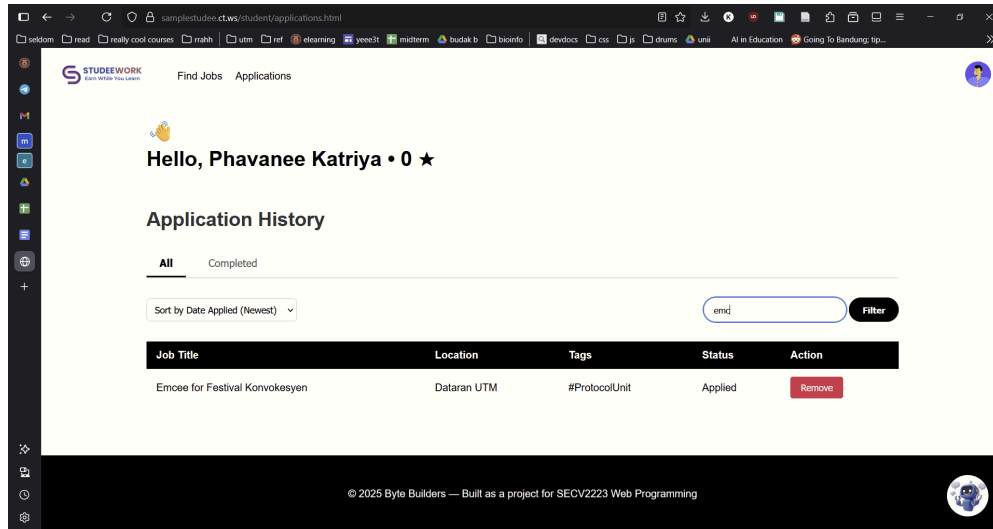
## 5. Logout



Users can log out by clicking the logout button on the top right corner of their screen of their profile page. This will clear their session data and return them to the login page.

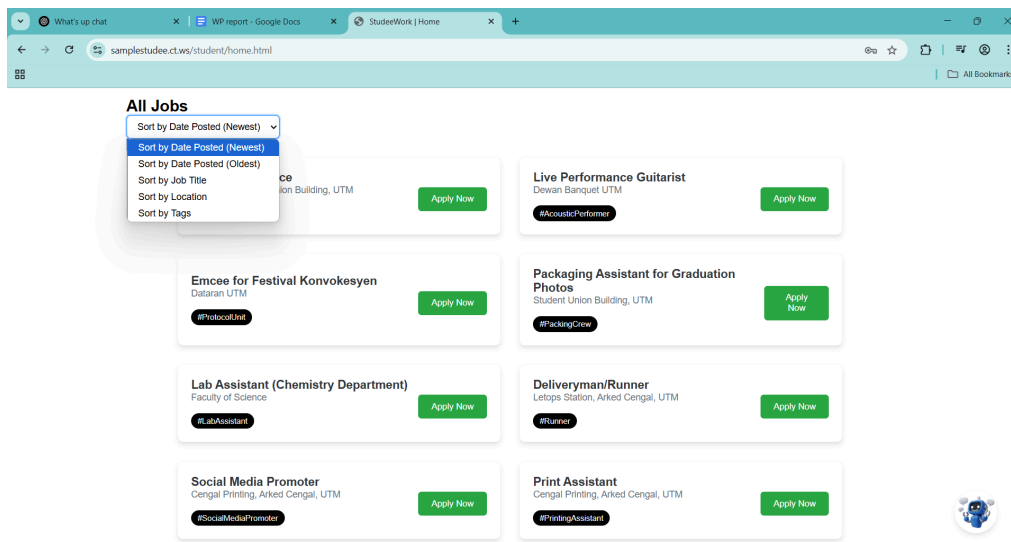
## Students

### 1. Filter Jobs by Job Title



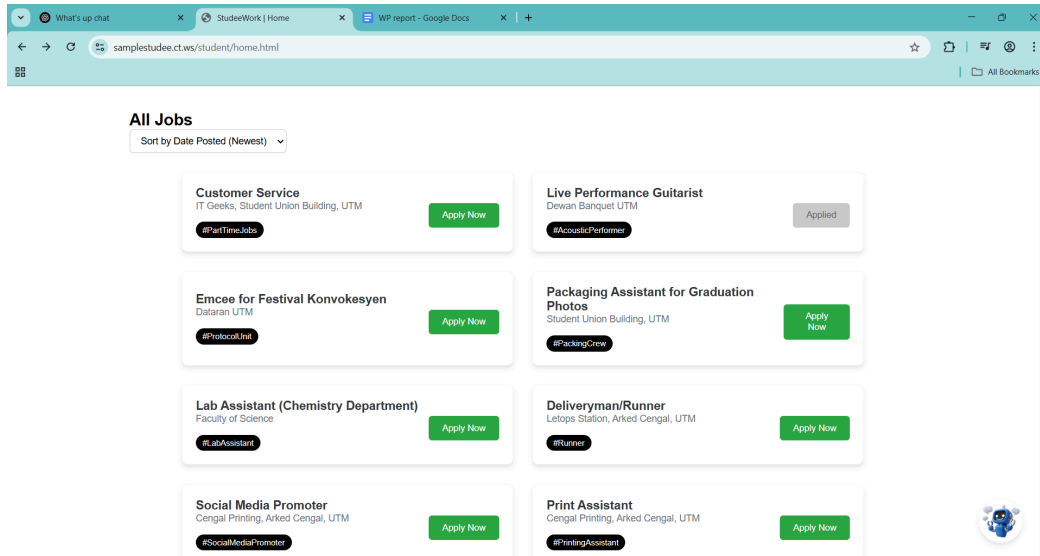
Students can search/filter jobs by job title using the search/filter bar. Text matching user input for job title will be returned as rows.

### 2. Sort Jobs



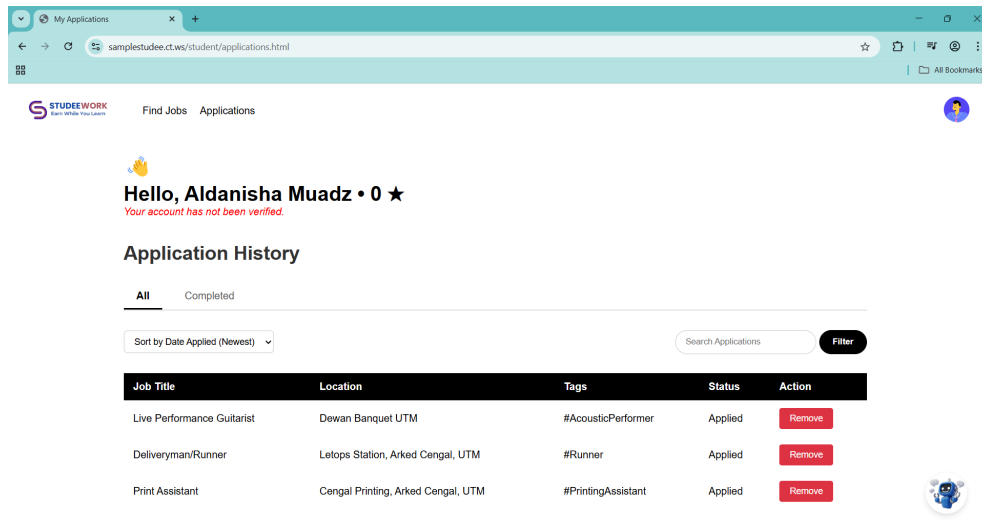
Users can sort available jobs by **date posted**, **job title**, **location**, or **tags**, making it easier to find listings that best match their preferences.

### 3. Apply for Jobs



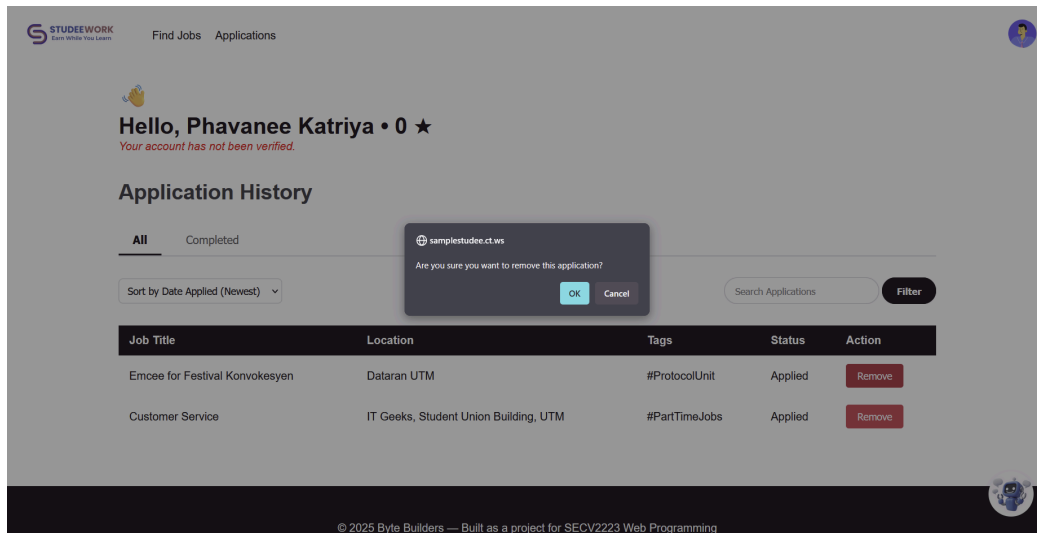
Students can apply for jobs, and once applied, the website provides feedback by disabling the "Apply Now" button, changing it from green to grey with the label "Applied".

### 4. View Application History



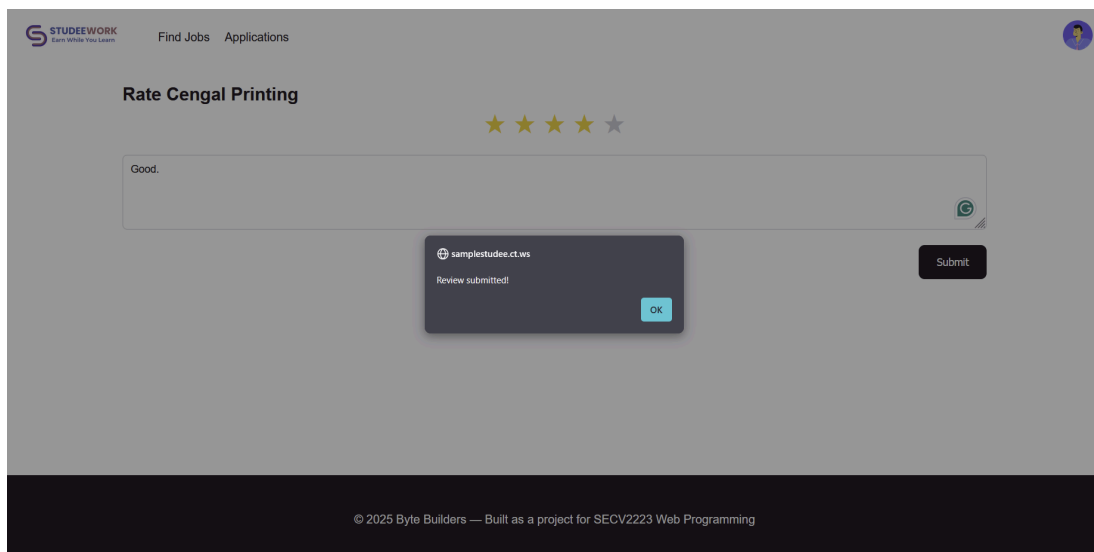
Students can view their application history, which displays a list of all the jobs they have applied for, along with the status.

## 5. Delete Job Application



Students can delete their job applications if they are no longer relevant.

## 6. Rate Jobs



Students can rate the jobs/employers that has been marked completed by employers.

# Employers

## 1. Post Jobs

**Details**  
Add the description of the job, job scopes, location, and nice-to-haves.

**Title**  
Job titles must describe one position.

Delivery/Runner

**Location**  
Add the job's location

Cengal Printing, Arked Cengal, UTM

**Tags**  
Add some tags to describe the job in a comma-separated list.

#DeliveryJob

Employers can post job openings by providing details like job title, location, and relevant tags to help users find and filter the listing easily.

## 2. View Jobs Posted

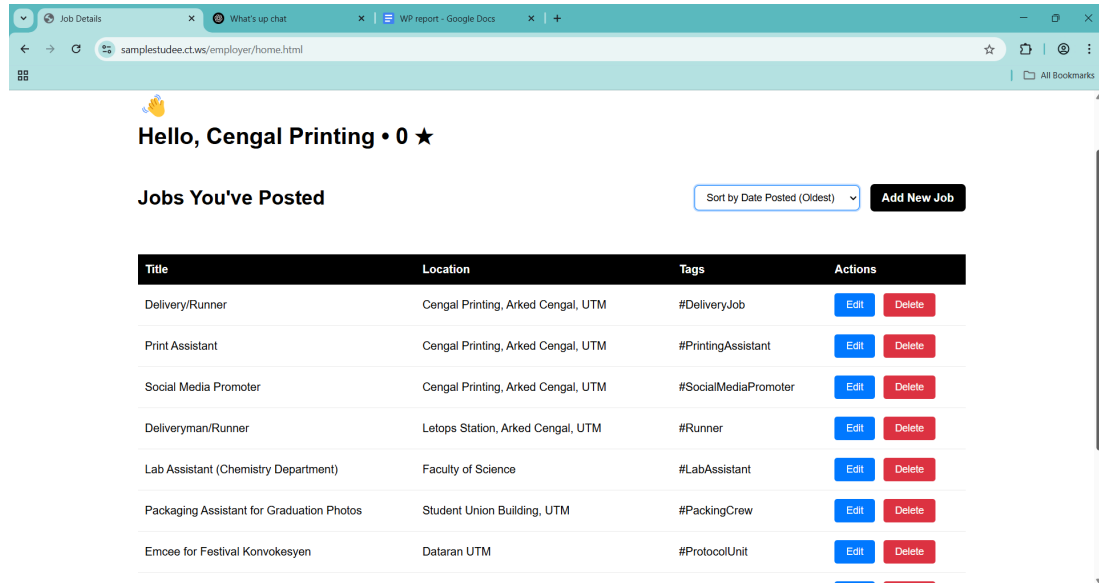
**Jobs You've Posted** Sort by Date Posted (Newest) Add New Job

Title	Location	Tags	Actions
Customer Service	IT Geeks, Student Union Building, UTM	#PartTimeJobs	<a href="#">Edit</a> <a href="#">Delete</a>
Live Performance Guitarist	Dewan Banquet UTM	#AcousticPerformer	<a href="#">Edit</a> <a href="#">Delete</a>
Emcee for Festival Konvokesyen	Dataran UTM	#ProtocolUnit	<a href="#">Edit</a> <a href="#">Delete</a>
Packaging Assistant for Graduation Photos	Student Union Building, UTM	#PackingCrew	<a href="#">Edit</a> <a href="#">Delete</a>
Lab Assistant (Chemistry Department)	Faculty of Science	#LabAssistant	<a href="#">Edit</a> <a href="#">Delete</a>
Deliveryman/Runner	Letops Station, Arked Cengal, UTM	#Runner	<a href="#">Edit</a> <a href="#">Delete</a>
Social Media Promoter	Cengal Printing, Arked Cengal, UTM	#SocialMediaPromoter	<a href="#">Edit</a> <a href="#">Delete</a>
Print Assistant	Cengal Printing, Arked Cengal, UTM	#PrintingAssistant	<a href="#">Edit</a> <a href="#">Delete</a>
Delivery/Runner	Cengal Printing, Arked Cengal, UTM	#DeliveryJob	<a href="#">Edit</a> <a href="#">Delete</a>

Employers can view a list of all the jobs they have posted, including job titles, locations, and current application statuses.

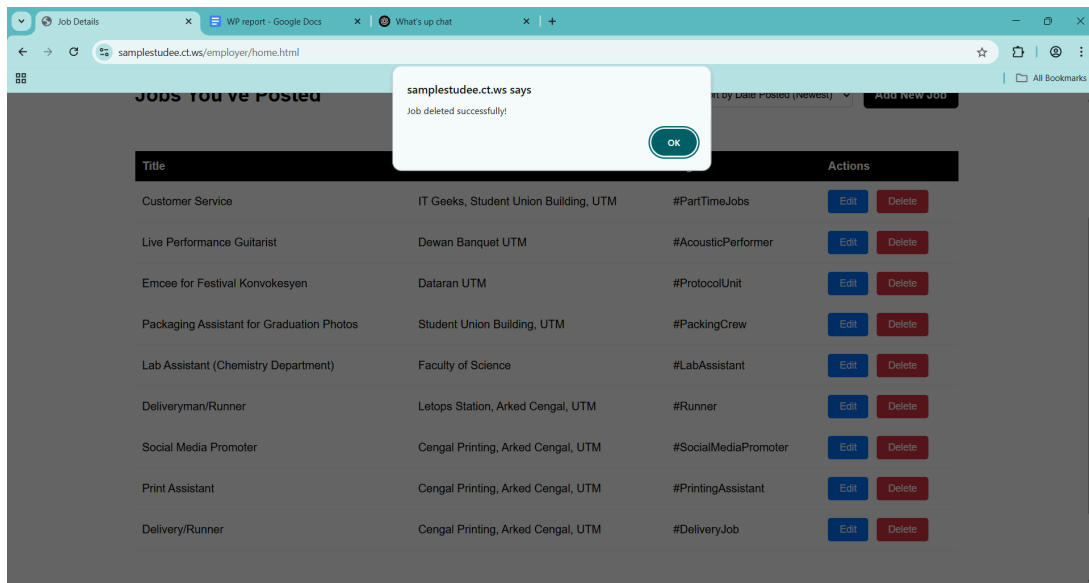


### 3. Sort Jobs Posted



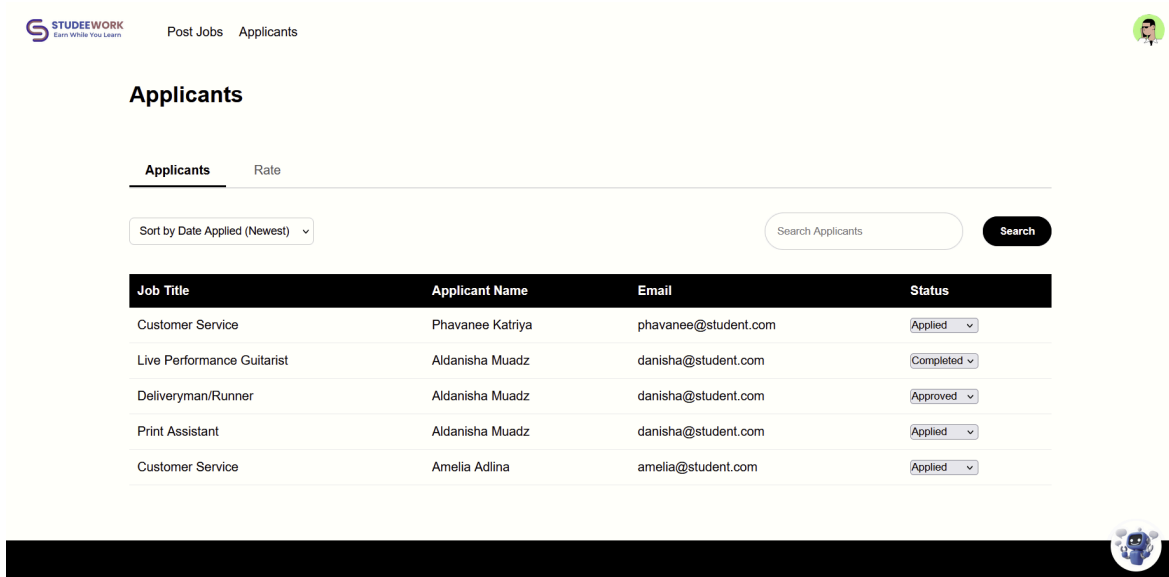
Employers can sort their posted jobs based on criteria such as posting date, job title, location, or tags to help manage listings more efficiently.

### 4. Delete Jobs Posted



Employers can delete jobs they have posted. Upon successful deletion, the system will display a confirmation message such as “Job has been deleted successfully.”

## 5. View Applicants



**STUDEEWORK** Earn While You Learn Post Jobs Applicants

### Applicants

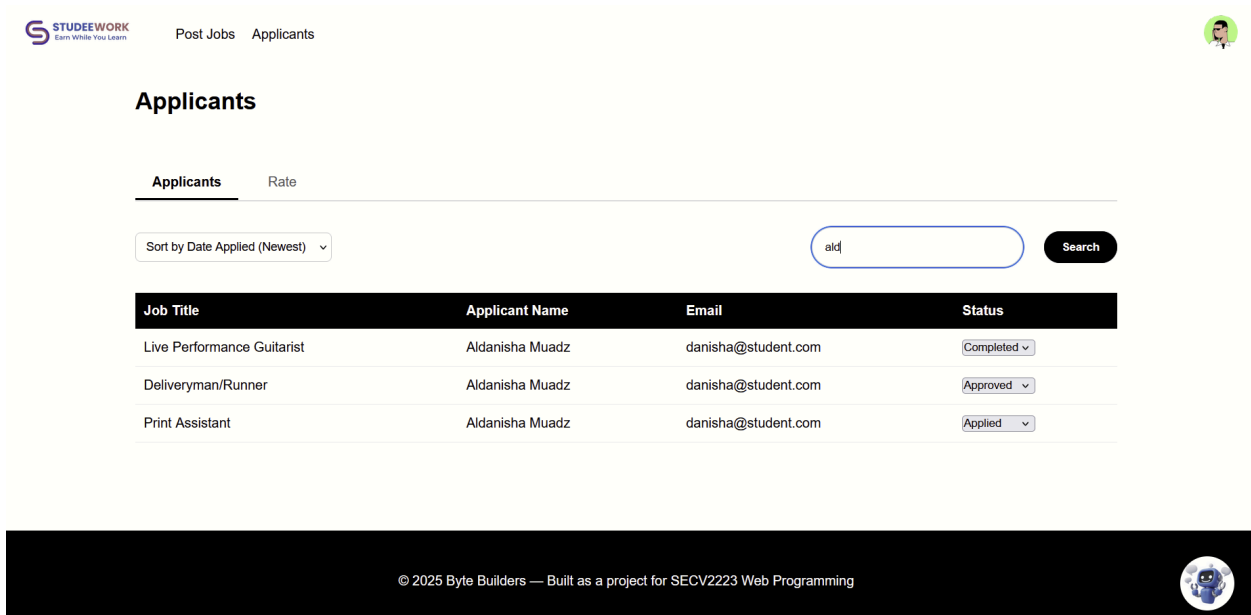
Applicants Rate

Sort by Date Applied (Newest) Search Applicants Search

Job Title	Applicant Name	Email	Status
Customer Service	Phavane Katriya	phavane@student.com	Applied
Live Performance Guitarist	Aldanisha Muadz	danisha@student.com	Completed
Deliveryman/Runner	Aldanisha Muadz	danisha@student.com	Approved
Print Assistant	Aldanisha Muadz	danisha@student.com	Applied
Customer Service	Amelia Adlina	amelia@student.com	Applied

Employers can view a list of applicants who have applied for the jobs. This includes applicants' details like name and email.

## 6. Filter Applicants by Name



**STUDEEWORK** Earn While You Learn Post Jobs Applicants

### Applicants

Applicants Rate

Sort by Date Applied (Newest) Search

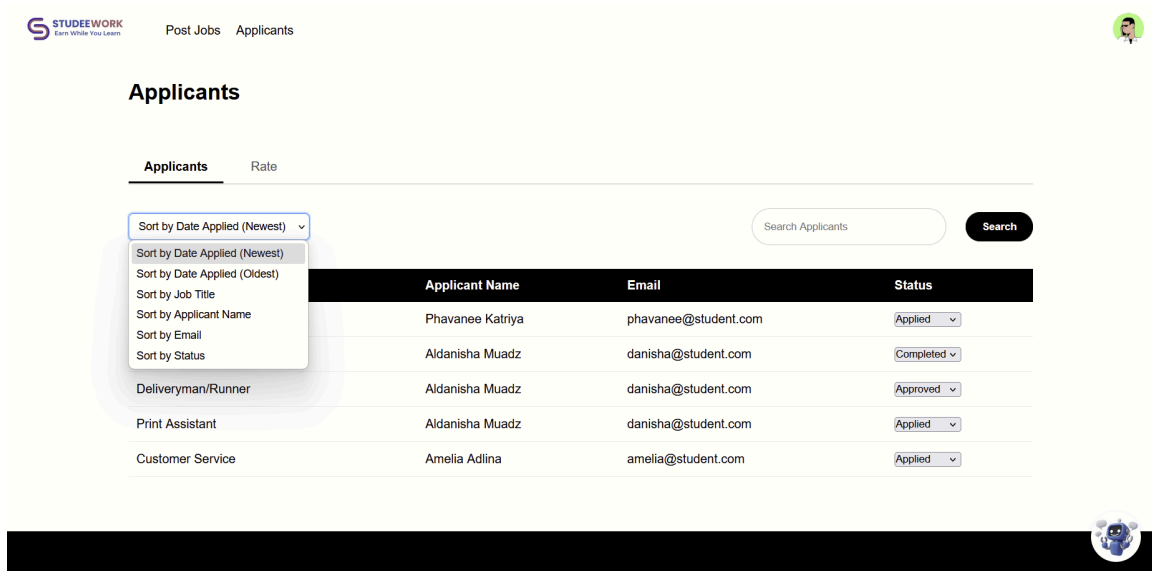
ald Search

Job Title	Applicant Name	Email	Status
Live Performance Guitarist	Aldanisha Muadz	danisha@student.com	Completed
Deliveryman/Runner	Aldanisha Muadz	danisha@student.com	Approved
Print Assistant	Aldanisha Muadz	danisha@student.com	Applied

© 2025 Byte Builders — Built as a project for SECV2223 Web Programming

Employers can quickly search and filter the list of applicants by entering a name, making it easier to find specific candidates among many applications.

## 7. Sort Applicants



The screenshot shows the 'Applicants' page with a dropdown menu open for sorting. The dropdown options are:

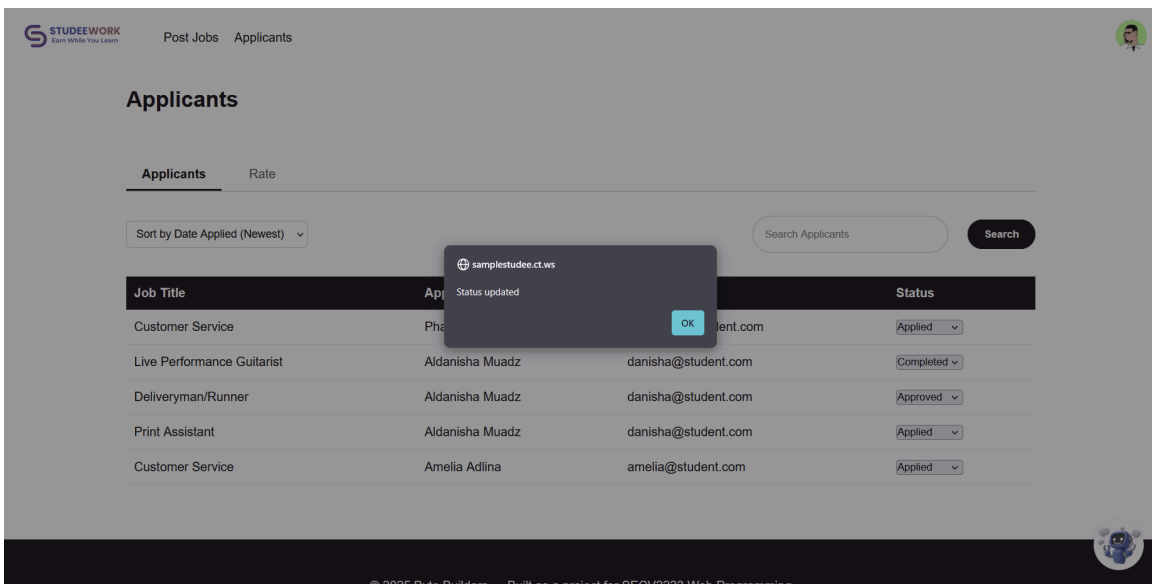
- Sort by Date Applied (Newest) (selected)
- Sort by Date Applied (Oldest)
- Sort by Job Title
- Sort by Applicant Name
- Sort by Email
- Sort by Status

The table below shows a list of applicants:

Job Title	Applicant Name	Email	Status
	Phavanee Katriya	phavanee@student.com	Applied
	Aldanisha Muadz	danisha@student.com	Completed
Deliveryman/Runner	Aldanisha Muadz	danisha@student.com	Approved
Print Assistant	Aldanisha Muadz	danisha@student.com	Applied
Customer Service	Amelia Adlina	amelia@student.com	Applied

Employers can sort applicants based on criteria such as name, application date, or status (e.g., pending, reviewed) to better manage and review applications efficiently.

## 8. Update Applicants Status



The screenshot shows the 'Applicants' page with a modal dialog open for updating an applicant's status. The modal has a title 'samplestudee.ct.ws' and a message 'Status updated'. There is an 'OK' button.

The table below shows a list of applicants:

Job Title	Applicant Name	Email	Status
Customer Service	Phavanee Katriya	phavanee@student.com	Applied
Live Performance Guitarist	Aldanisha Muadz	danisha@student.com	Completed
Deliveryman/Runner	Aldanisha Muadz	danisha@student.com	Approved
Print Assistant	Aldanisha Muadz	danisha@student.com	Applied
Customer Service	Amelia Adlina	amelia@student.com	Applied

Employers can update each applicant's status (e.g., from "Applied" to "Approved" or "Completed") to reflect progress in the hiring process and keep records organized.

## 9. Rate Applicants

The screenshot shows a web application interface for rating applicants. At the top, the logo 'STUDEEWORK Earn While You Learn' is on the left, and 'Post Jobs Applicants' is in the center. A user profile icon is on the right. The main heading is 'Rate Aldanisha Muadz'. Below this is a five-star rating system with four stars filled and one empty. A text input field contains the word 'Good.'. To the right of the input field is a 'Submit' button. A modal dialog box is centered on the screen, displaying 'samplestudee.ct.ws' and 'Review submitted!' with an 'OK' button. The footer contains the copyright notice: '© 2025 Byte Builders — Built as a project for SECV2223 Web Programming'.

Employers can assign ratings (e.g., 1 to 5 stars) to applicants based on their qualifications or performance.

## Admin

### 1. View Unverified Students

STUDEEWORK Earn While You Learn Verify Moderate

#### Account Verification

Student Employer

Search Accounts Filter

Name	Phone Number	Email	Location	Action
Amelia Adlina	01112345678	amelia@student.com	KTDI	Verify
Phavanee Katriya	01212345678	phavanee@student.com	ktr	Verify
Aldanisha Muadz	01312345678	danisha@student.com	ktdi	Verify

© 2025 Byte Builders — Built as a project for SECV2223 Web Programming

Administrators can view the full list of students who have not yet been verified.

### 2. Verify Students

STUDEEWORK Earn While You Learn Verify Moderate

#### Account Verification

Student Employer

Search Accounts Filter

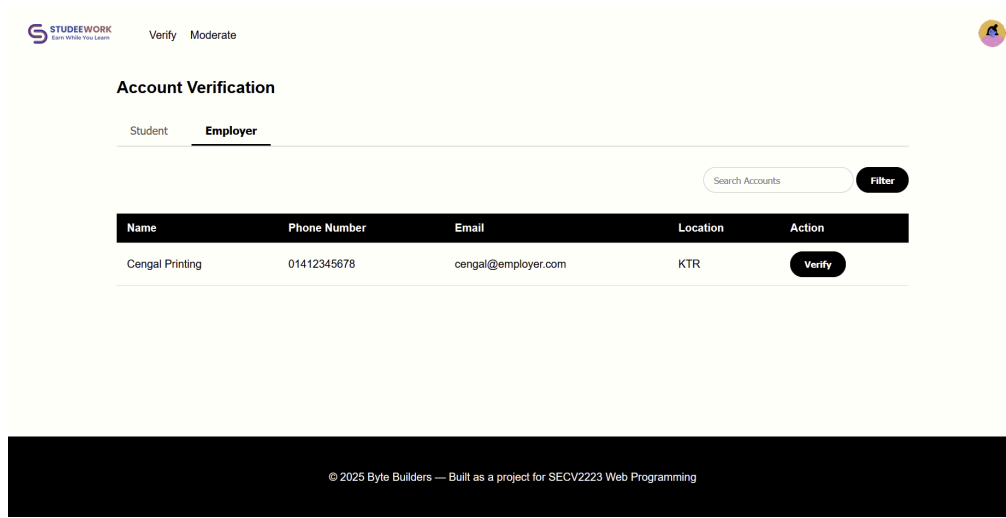
Name	Phone Number	Email	Location	Action
Amelia Adlina	01112345678	amelia@student.com	KTDI	Verify
Phavanee Katriya	01212345678	phavanee@student.com	ktr	Verify
Aldanisha Muadz	01312345678	danisha@student.com	ktdi	Verify

samplestudee.ct.ws  
Verification successful!  
OK

© 2025 Byte Builders — Built as a project for SECV2223 Web Programming

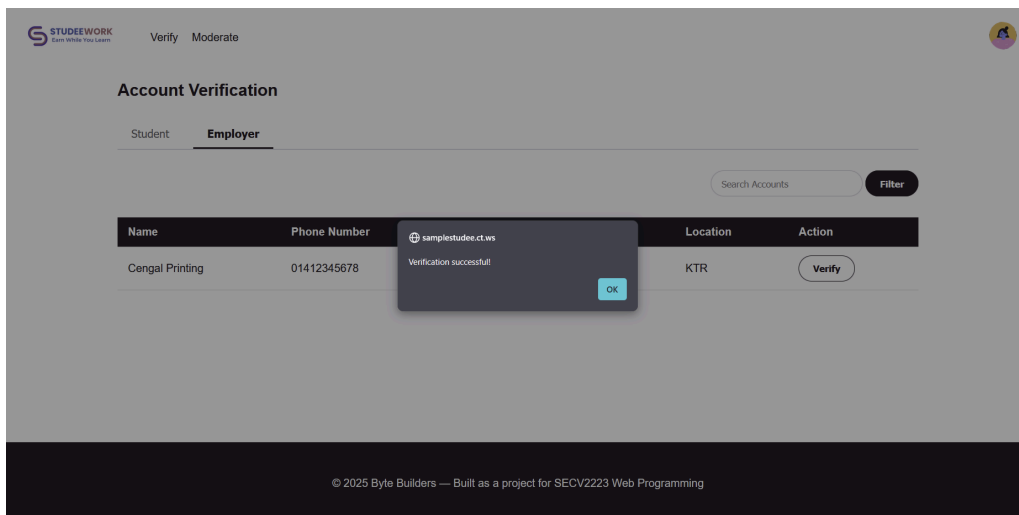
Administrators can verify students by clicking on the ‘Verify’ button in the table. After verifying the student, they will disappear from the unverified students table.

### 3. View Unverified Employers



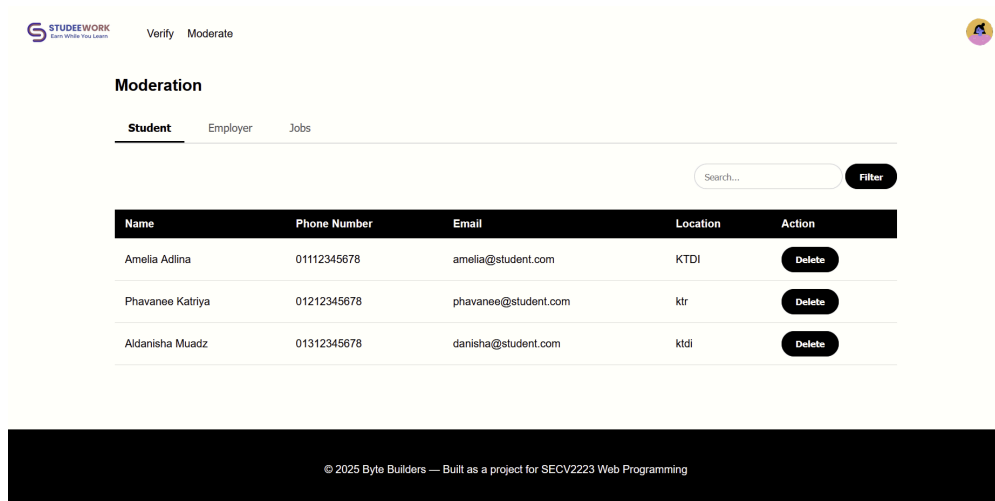
Administrators can view the full list of employers who have not yet been verified.

### 4. Verify Employers



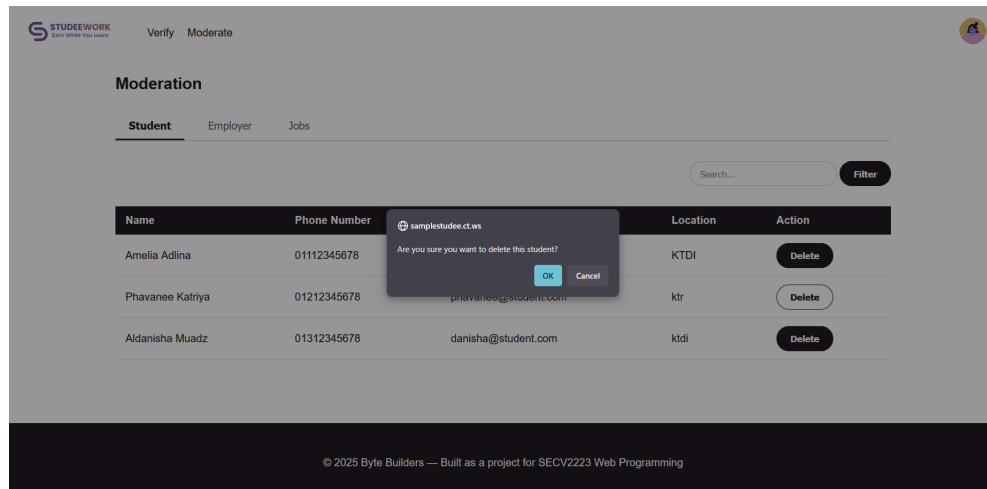
Administrators can verify employers by clicking on the 'Verify' button in the table. After verifying the employer, they will disappear from the unverified employers table.

## 5. View All Students



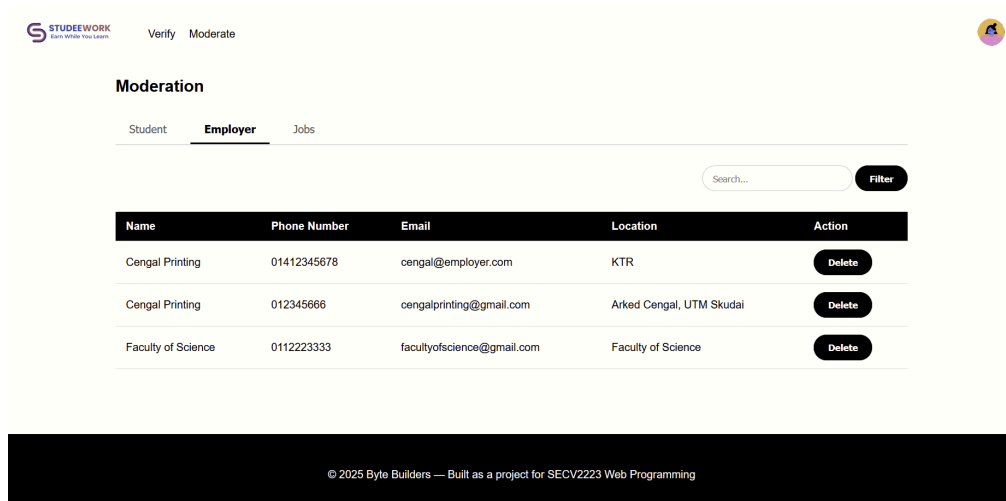
Administrators can view the list of all students who have registered with the system.

## 6. Delete Students



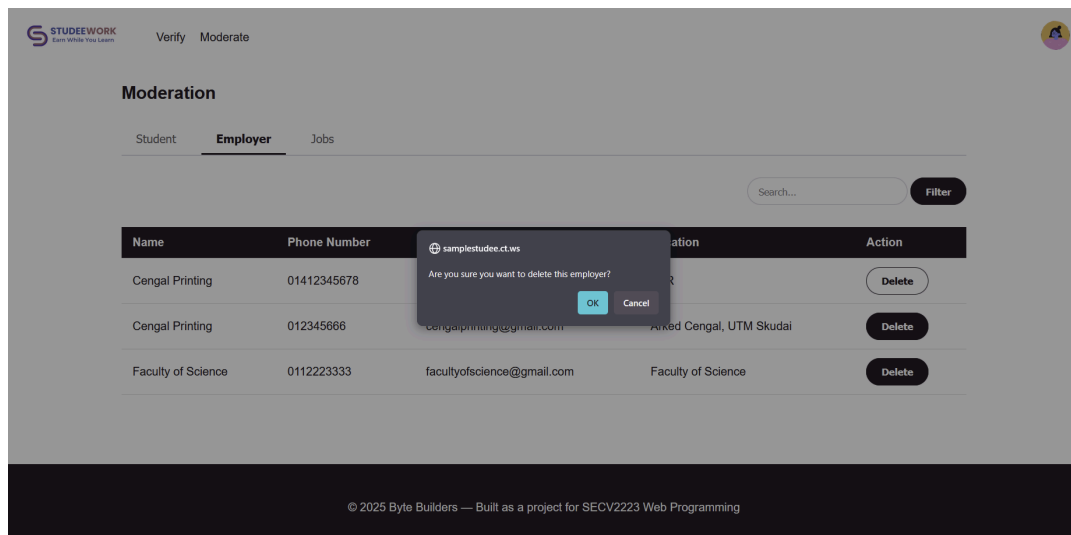
Administrators can delete any student from the system by clicking the 'Delete' button. A confirmation box will appear, and if the administrator selects "OK", the student will be deleted from the table and the system's database.

## 7. View All Employers



Administrators can view the list of all employers who have registered with the system.

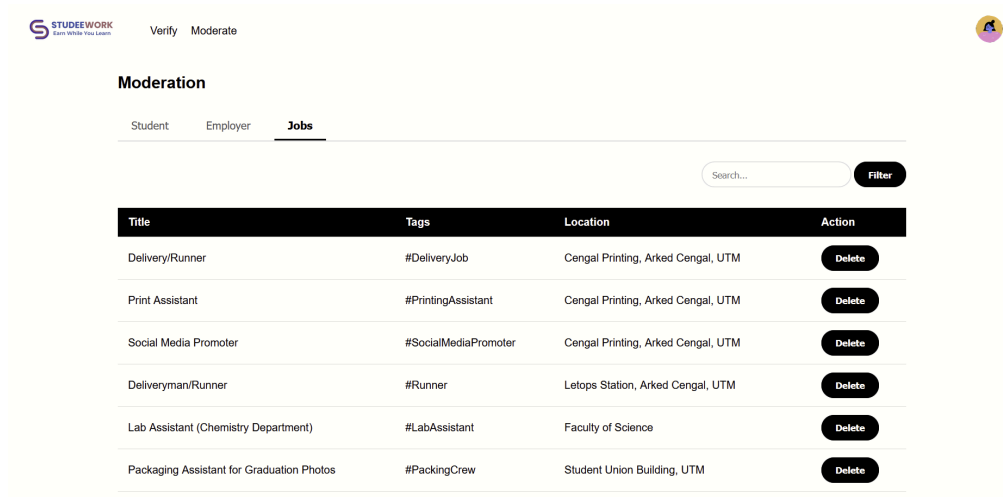
## 8. Delete Employers



Administrators can delete any employer from the system by clicking the 'Delete' button. A confirmation box will appear, and if the administrator selects "OK", the employer will be deleted from the table and the system's database.



## 9. View All Job Postings



STUDEEWORK  
Earn While You Learn

Verify Moderate

Moderation

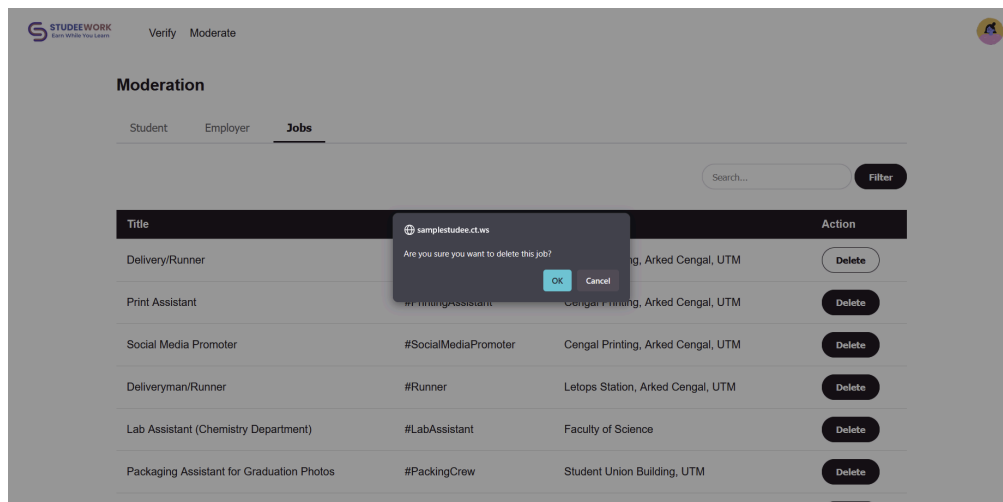
Student Employer **Jobs**

Search... Filter

Title	Tags	Location	Action
Delivery/Runner	#DeliveryJob	Cengal Printing, Arked Cengal, UTM	Delete
Print Assistant	#PrintingAssistant	Cengal Printing, Arked Cengal, UTM	Delete
Social Media Promoter	#SocialMediaPromoter	Cengal Printing, Arked Cengal, UTM	Delete
Deliveryman/Runner	#Runner	Letops Station, Arked Cengal, UTM	Delete
Lab Assistant (Chemistry Department)	#LabAssistant	Faculty of Science	Delete
Packaging Assistant for Graduation Photos	#PackingCrew	Student Union Building, UTM	Delete

Administrators can view the list of all jobs created by employers within the system's database.

## 10. Delete Job Postings



STUDEEWORK  
Earn While You Learn

Verify Moderate

Moderation

Student Employer **Jobs**

Search... Filter

Title	Tags	Location	Action
Delivery/Runner	#DeliveryJob	Cengal Printing, Arked Cengal, UTM	Delete
Print Assistant	#PrintingAssistant	Cengal Printing, Arked Cengal, UTM	Delete
Social Media Promoter	#SocialMediaPromoter	Cengal Printing, Arked Cengal, UTM	Delete
Deliveryman/Runner	#Runner	Letops Station, Arked Cengal, UTM	Delete
Lab Assistant (Chemistry Department)	#LabAssistant	Faculty of Science	Delete
Packaging Assistant for Graduation Photos	#PackingCrew	Student Union Building, UTM	Delete

samplestudee.ct.ws

Are you sure you want to delete this job?

OK Cancel

Administrators can delete any job from the system by clicking the 'Delete' button. A confirmation box will appear, and if the administrator selects "OK", the job will be deleted from the table and the system's database.

## DEPENDENCIES

Before running this project, make sure the following dependencies are installed:

### System Requirements

- PHP  $\geq$  8.0
- MySQL  $\geq$  5.7
- Web Server (e.g., Apache)

### Local Development

- XAMPP via <https://www.apachefriends.org/> (includes Apache, PHP, and MySQL)
- A modern web browser (e.g., Chrome, Firefox)