

<b>Assignment – GROUP (30%)</b>																			
<b>Module's Information:</b>																			
<b>Module</b>	IBM2104																		
<b>Session</b>	APR 2019																		
<b>Programme</b>	DICTN																		
<b>Lecturer</b>	CHERN HUEY RONG																		
	Email:	Room:	Yahoo ID:																
<b>Coursework Type</b>	Group Assignment																		
<b>Percentage</b>	30% out of 100%																		
<b>Hand-out Date</b>																			
<b>Due Date</b>																			
<b>Student's Declaration:</b>																			
<p><b>We declare that:</b></p> <ul style="list-style-type: none"> <li>▪ We understand what is meant by plagiarism.</li> <li>▪ This assignment is all our own work and we have acknowledged any use of the published or unpublished works of other people.</li> <li>▪ We hold a copy of this assignment which we can produce if the original is lost or damaged</li> </ul>																			
<table border="1"> <thead> <tr> <th>Name/ID</th> <th>Signature</th> <th>Name/ID</th> <th>Signature</th> </tr> </thead> <tbody> <tr> <td>1. Tan Hoe Theng</td> <td></td> <td>4. Lau Kuan Sin</td> <td></td> </tr> <tr> <td>2. Pey Xin Yi</td> <td></td> <td>5. Tan Kevin</td> <td></td> </tr> <tr> <td>3. Chuang Jing Yee</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Name/ID	Signature	Name/ID	Signature	1. Tan Hoe Theng		4. Lau Kuan Sin		2. Pey Xin Yi		5. Tan Kevin		3. Chuang Jing Yee					
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<b>Learning Outcomes Assessed:</b>																			
LO1	Explain the basic programming concepts in PHP.																		
LO2	Use the appropriate PHP techniques for Web programming																		
LO3	Use the advanced PHP features to enhance the Web applications																		
<b>Assessment Criteria</b>		<b>Total Marks</b>	<b>Marks</b>																
1.	Design	20																	
2.	PHP	40																	
3.	Report Writing	20																	
4.	Skill interview (Individual)	20																	
		100																	
		<b>Penalty</b>																	
<b>Final Mark (30%)</b>																			

**Lecturer's Comments**

## Contents

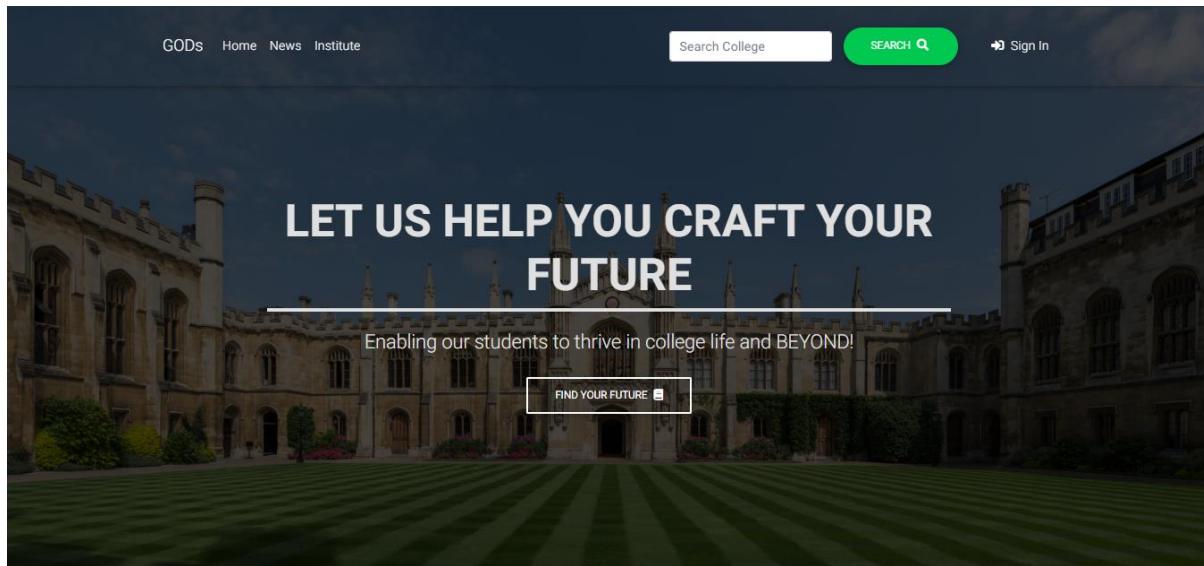
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## INTRODUCTION

The project of IBM2014 is to develop a college portal website using PHP based on the requirement stated. Our team consists of 5 members which are Tan Hoe Theng, Pey Xin Yi, Chuang Jing Yee, Lau Kuan Sin and Tan Kevin. All of us are putting a great amount of effort in this project to fulfil all the requirements. In this project, we have used PHP, JavaScript, JQuery, Boostrap 4, Font Awesome 5 and Sweet Alert 2. Since there is no online template in this project, so the design will be unique. Besides, we have used GitHub during the development process to eliminate all the version control issues. It ensures all the members always have the latest source code.

## Feature Of Webpage

### Home page



**Institute in Malaysia**

INTI College Penang

SEGI College Penang

SENTRAL College Penang

KDU College Penang

[VIEW MORE](#)

**GODs**

Explore top-ranking universities catered to your needs, in one place. Key in details ONCE to apply to multiple institutions. Sift through numerous offers and find the best one for you & your future!

**USEFUL LINKS**

- [Your Account](#)
- [Colleges](#)
- [Help](#)

**CONTACT**

- [GODs@gmail.com](#)
- [+01 234 567 88](#)
- [+01 234 567 89](#)

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You can search college at navigation bar or press “View more” button to check all college. You can sign in with the “Sign in” button at the top right corner.

## News page

The screenshot shows a news feed with two visible articles:

- INTI College Penang** (2019-06-26 14:42:01): Nurturing Dreams in the Garden City. Includes a photo of a group of people holding a banner.
- SEGI College Penang** (2019-06-24 15:05:15): ryguyryg. Includes a photo of a palm tree.

This page will display all the institutes' news based on the time that college upload.

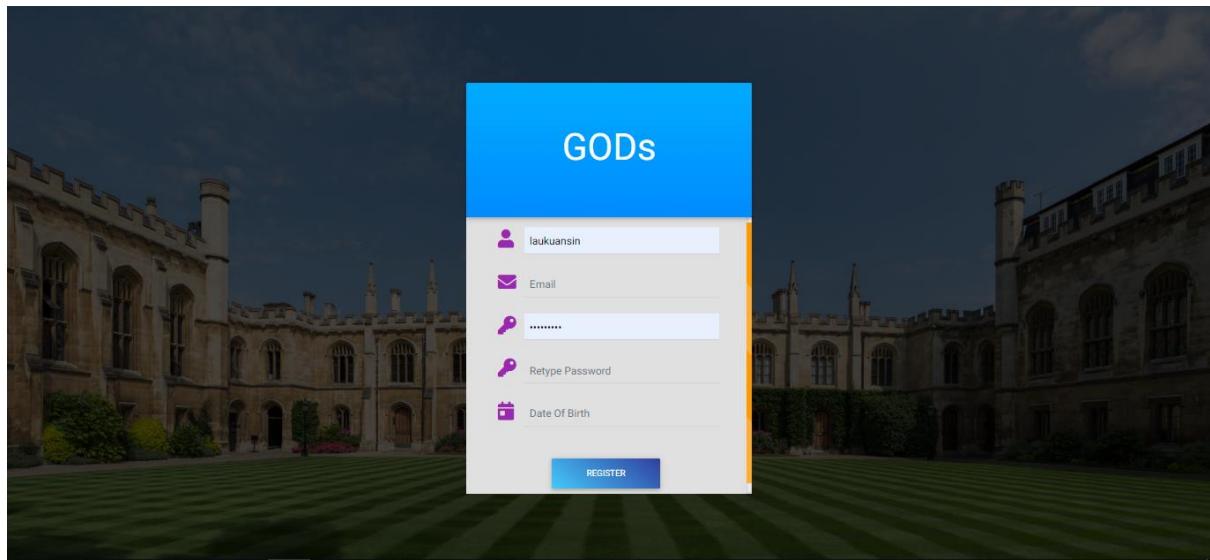
## Institute page

The screenshot shows a search interface on the left and a list of institutes on the right:

- Search Institute** (Institute: INTI International University & Colleges, Filter By: Location: Penang, Course: All, SEARCH button)
- Institute In Malaysia** section:
  - INTI College Penang**: ★★★☆☆, Location: Penang, Course Offer: 14, View Detail button
  - SEGI College Penang**: ★★★★☆, Location: Penang, Course Offer: 20, View Detail button
  - SENTRAL College Penang**: ★★★★★, Location: Penang, Course Offer: 0, View Detail button
  - KDU College Penang**

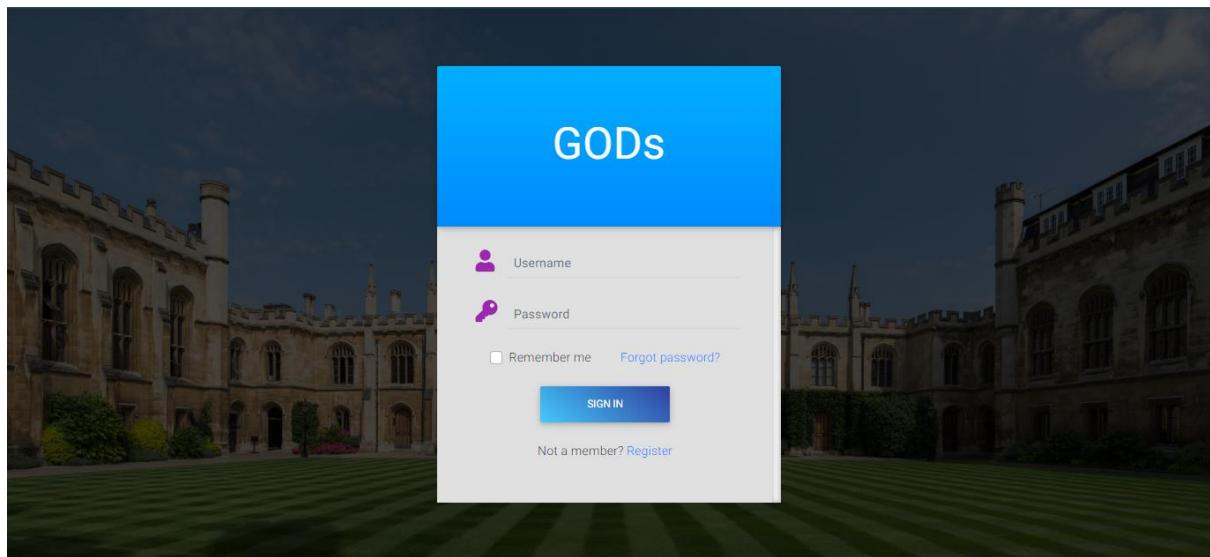
This page display all the institute in Malaysia. You can also use the left-hand side filter to find the location of college and courses that the college have provided. You may also see the college detail by press the “View detail” button.

## Register page



This page allows the user to register their own account. User compulsory fill in all the personal detail.

## Sign in page



This page can allow you to sign in to your own account. If the user forgets the password, you may press the "Forgot password?" button. If you not a member, you can register through "Register" button.

## Forget Password page



This page will help the user find back their password. User just need type their username and press “FIND PASSWORD”, then our system will send an email with password to the user’s email.

## Institute detail page (Without log in)

The screenshot shows the 'Institute' detail page for INTI International College Penang. At the top, there's a navigation bar with links for GODs, Home, News, and Institute. A search bar and a 'Sign In' button are also present. The main content area features a large image of the college building with the INTI logo overlaid. Below this, there are sections for 'Rating and Review' (showing a 4-star rating), 'Rate Us' (with a 5-star rating), and 'Details' (listing the address as 1-2, Lebuh Jambul, Bayan Lepas, Pulau Pinang). To the right, there's a 'News' section with a post from INTI dated 2019-06-26 at 14:49:01, titled 'Nurturing Dreams in the Garden City', accompanied by a photo of a group of people. Further down, there's a 'Map' section showing the location in Bayan Lepas, Pulau Pinang, and a 'Physical (In)Activity in IR 4.0' section with a photo of a group holding certificates.

This page allow user to see college detail and the rating. You can rate the college after you sign in.

Screenshot of the website showing course availability:

INTI College Penang offers the following courses:

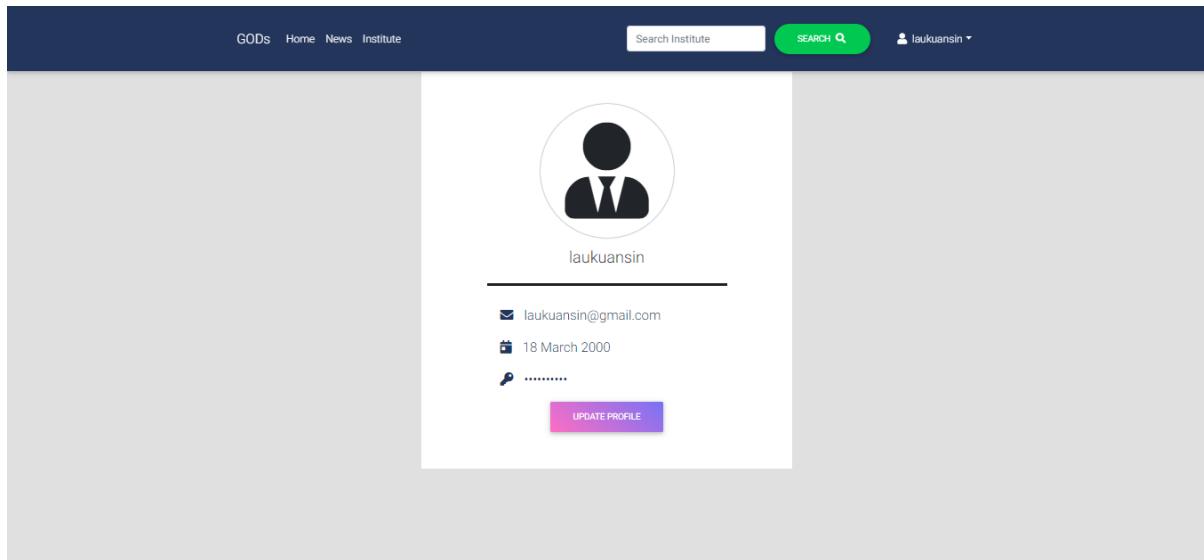
#	Course Name	Duration (Years)	Fees (RM)
1	Accounting	2	55000
2	Animal Science	4	55000
3	Commerce	4	50000
4	College Foundations	2	25000
5	Design	3	15000

Screenshot of the website showing the gallery:

The gallery displays three photographs of group events at INTI College Penang:

- A group of people standing outdoors holding a banner.
- A group of people standing indoors, some holding certificates.
- A group of people standing outdoors, some in formal attire.

## My account page



View User detail.

## Update account page

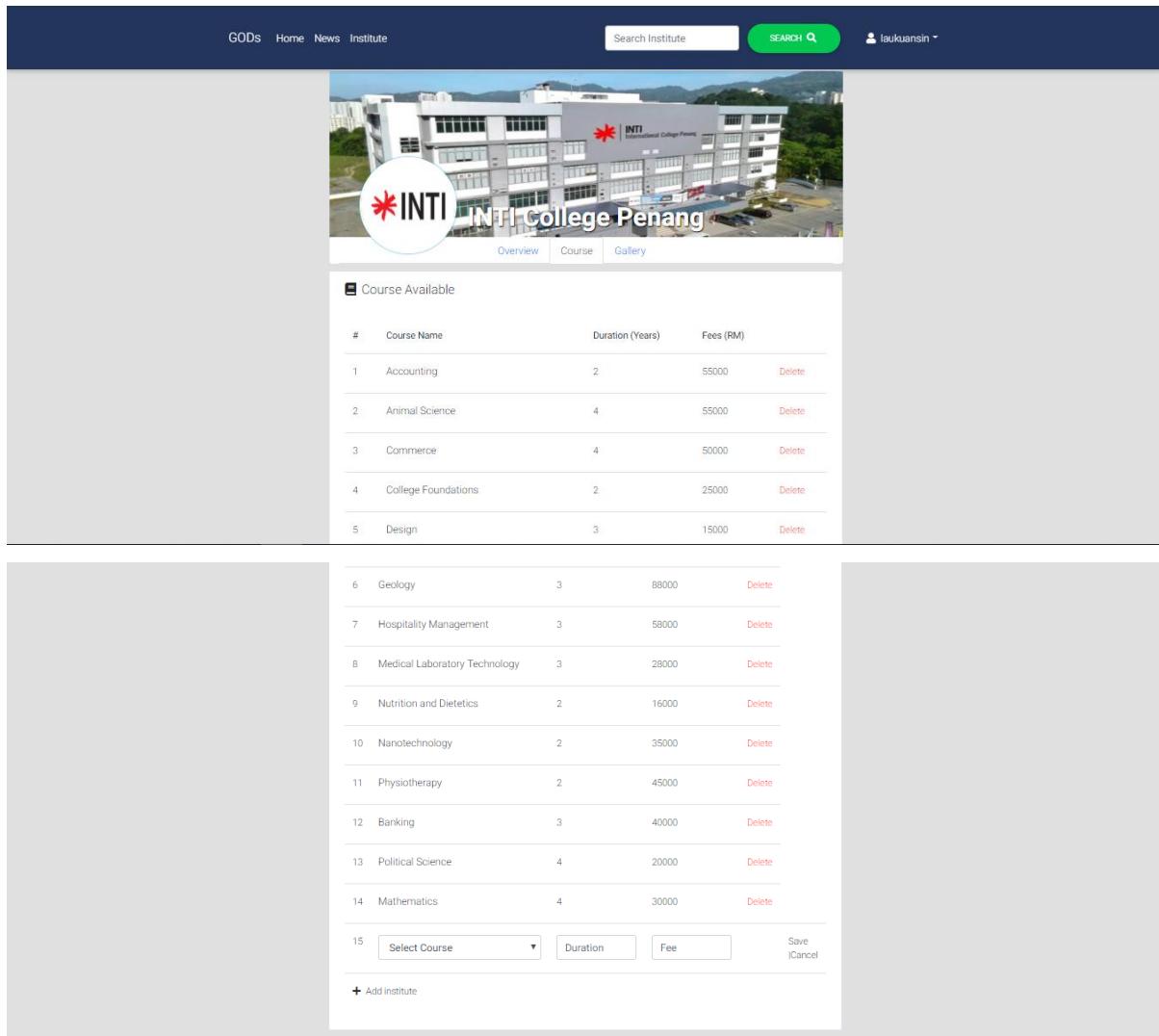
The screenshot shows the 'Update account page' of the GODs website. At the top, there is a dark blue header bar with the 'GODs' logo, navigation links for 'Home', 'News', and 'Institute', a search bar containing 'Search Institute' and a green 'SEARCH' button, and a user profile icon labeled 'laukuansin'. The main content area has a light gray background. It features a circular placeholder for a profile picture with the text 'laukuansin' below it. Below this, there are two sections: 'Change Date Of Birth' and 'Change Password'. The 'Change Date Of Birth' section contains a date input field with the value '2000-03-18'. The 'Change Password' section contains three input fields: 'Old Password', 'New Password', and 'Confirm New Password'. At the bottom of the form is a pink 'SAVE CHANGES' button. The footer is dark blue and contains three columns: 'GODs' (with a brief description), 'USEFUL LINKS' (links to 'Your Account', 'Colleges', and 'Help'), and 'CONTACT' (links to email 'GODs@gmail.com', phone '+01 234 567 88', and phone '+01 234 567 89'). The footer also includes a copyright notice: '© 2019 Copyright: GODs'.

Changes user information.

## User page (admin)

The screenshot shows the user interface for the INTI College Penang website. At the top, there is a navigation bar with links for GODs, Home, News, and Institute. A search bar and a user profile icon are also present. The main content area features a large image of the college building with the INTI logo overlaid. Below this, there are several sections: 'Rating and Review' showing a 5-star rating, 'Details' with the address '1-2, Lebuh Bukit Jambul, Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang', and a map pin pointing to the location. There is also a 'New Post' section where users can write something, upload images, and publish their post. A 'News' section displays a recent post from 'INTI College Penang' with a photo of a group of people holding a banner. On the left side, there is a sidebar with a Google Map snippet showing the college's location in Penang.

Admin can upload, delete news.

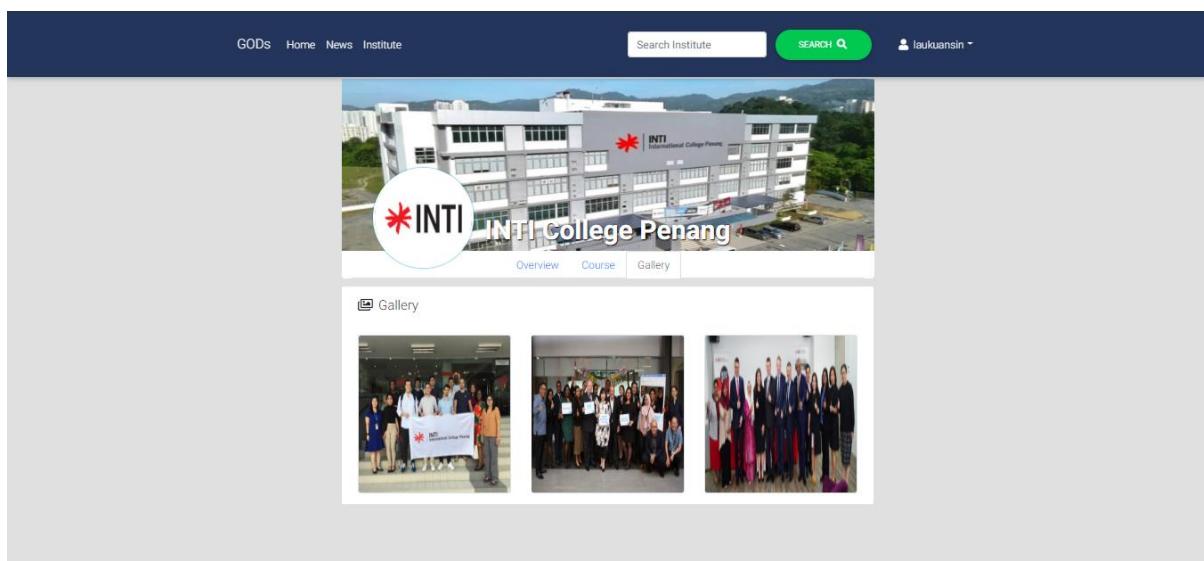


The screenshot shows the 'Course Available' section of the application. It lists 15 courses with their details:

#	Course Name	Duration (Years)	Fees (RM)	Action
1	Accounting	2	55000	<a href="#">Delete</a>
2	Animal Science	4	55000	<a href="#">Delete</a>
3	Commerce	4	50000	<a href="#">Delete</a>
4	College Foundations	2	25000	<a href="#">Delete</a>
5	Design	3	15000	<a href="#">Delete</a>
6	Geology	3	88000	<a href="#">Delete</a>
7	Hospitality Management	3	58000	<a href="#">Delete</a>
8	Medical Laboratory Technology	3	28000	<a href="#">Delete</a>
9	Nutrition and Dietetics	2	16000	<a href="#">Delete</a>
10	Nanotechnology	2	35000	<a href="#">Delete</a>
11	Physiotherapy	2	45000	<a href="#">Delete</a>
12	Banking	3	40000	<a href="#">Delete</a>
13	Political Science	4	20000	<a href="#">Delete</a>
14	Mathematics	4	30000	<a href="#">Delete</a>
15	Select Course	Duration	Fee	Save Cancel

[+ Add institute](#)

Admin can add, delete the course.



The screenshot shows the 'Gallery' section of the application. It displays three images of groups of people, likely students or staff, posing for group photos.

## Maintenance page (superadmin)

The screenshot shows a web application interface for managing users and institutes. At the top, there is a navigation bar with links for GODs, Home, News, Institute, and Maintenance. A search bar and a user profile dropdown are also present. The main content area is divided into two sections: "User Maintenance" and "Institute Maintenance".

**User Maintenance:**

#	Username	Password	Email	Date Of Birth	Recent Change	Role	Action
1	jeffreytan	12345abcde	tanhoetheng@gmail.com	2000-04-12	2019-06-16 14:48:13	Super Admin	Promote   Demote   Delete
2	laukuansin	12345abcde	laukuansin@gmail.com	2000-03-18	2019-06-25 22:07:41	Admin	Promote   Demote   Delete
3	chuangjingyee	12345abcde	cjy@gmail.com	2000-04-15	2019-06-20 15:44:43	Admin	Promote   Demote   Delete
4	peyxinyee	12345abcde	pxy@gmail.com	1212-12-12	2019-06-13 23:15:36	Admin	Promote   Demote   Delete
5	leowjehan	12345abcde	leowjehan@gmail.com	2012-12-12	2019-06-24 21:44:47	Admin	Promote   Demote   Delete
6	luchunhung	12345abcde	luchunhung@gmail.com	2000-12-12	2019-06-27 01:37:15	Admin	Promote   Demote   Delete

**Institute Maintenance:**

#	Institute Name	Address	State	Admin	
1	INTI College Penang	1-Z, Lebuh Bukit Jambul, Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang	Penang	laukuansin	Delete
2	SEGI College Penang	Wisma Greenhall, 43, Jalan Green Hall, 10200 George Town, Pulau Pinang	Penang	chuangjingyee	Delete
3	SENTRAL College Penang	6th Floor, 3, Penang St, Georgetown, 10200 George Town, Penang	Penang	peyxinyee	Delete
4	KDU College Penang	32, Jalan Anson, George Town, 10400 George Town, Pulau Pinang	Penang	leowjehan	Delete

Add new institute

**Footer:**

- GODs**: Explore top-ranking universities catered to your needs, in one place. Key in details ONCE to apply to multiple institutions. Sift through numerous offers and find the best one for you & your future!
- USEFUL LINKS**: Your Account, Colleges, Help
- CONTACT**: GODs@gmail.com, +01 234 567 88, +01 234 567 89

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Superadmin can promote user to admin, demote admin to user and delete user.

Superadmin can set the user to institute admin and delete user.

## Add Institute page

The screenshot shows a web application interface for adding a new institute. At the top, there is a dark blue header bar with navigation links: GODs, Home, News, Institute, Maintenance, a search bar labeled 'Search Institute' with a green 'SEARCH' button, and a user profile icon for 'jeffreytan'. Below the header is a light gray sidebar on the left and a main content area on the right. The main content area has a title 'New Institute' at the top center. It contains several input fields: 'Enter institute name' (text input), 'Enter institute address' (text input), 'Enter institute address url' (text input), 'Enter institute iframe url' (text input), 'Select State' (dropdown menu), 'Select admin' (dropdown menu), and three file upload fields for 'Choose Profile Picture', 'Choose Cover Picture', and 'Choose Logo', each with a 'Browse' button. At the bottom of the form is a large blue 'ADD INSTITUTE' button.

Superadmin can add new college.

## Institute page (normal user)

**INTI College Penang**

Address: 1-7, Lebuhraya Jambul, Jambul, Pulau Pinang

Course Offer: 14

Physical (In)Activity in IR 4.0

User can rate the college.

#	Course Name	Duration (Years)	Fees (RM)
1	Accounting	2	55000
2	Animal Science	4	55000
3	Commerce	4	50000
4	College Foundations	2	25000
5	Design	3	15000

The screenshot shows the homepage of INTI International College Penang. At the top, there is a dark blue header bar with the text "GODs Home News Institute" on the left and a search bar with "Search Institute" and a "SEARCH" button on the right. Below the header is a large image of the college's modern building complex with green hills in the background. Overlaid on this image is the INTI logo (a red asterisk shape) and the text "INTI International College Penang". Below the main image is a navigation menu with "Overview", "Course", and "Gallery" options. Under the "Gallery" heading, there are three smaller images showing groups of people at various events.

## Technical Explanation (PHP)

### InstituteList.php

In this page, it needs to import all the model class required such as users.php, normalUser.php, admin.php, superadmin.php, institute.php and news.php. If the user search by institution' name, the name will be stored into the variable of valueOfInstitute. A connection will be created to connect the database in order to get the institute detail based on the searching criteria. However, the error message will be prompted to user if the connection is unable to connect to database. From the database, we do a coding to select all columns from the institute table where the condition must be institute name. The characteristics of this searching function is we use "LIKE" function to perform the task such as this system allows user to enter the first three alphabet of the institute's name, then the system will automatically complete the full name of the institute's name and do the searching from the database. However, an error message will be displayed to user if the query is invalid. At last, the connection of the database must be closed at the bottom.

If the user chooses the course and also location in the search selection, the course and location will be stored into the variable of valueOfCourse and valueOfLocation respectively. All the input will through `real_escape_string` function to prevent sql injection. We do the sql to select all details of institute, and the name of state from table of institute and state.

If the user chooses the course name only, it will stored into the variable of valueOfCourse. We do the sql to select all from the institute table where the condition must be `institute_id`.

If the user chooses the location only, it will stored into the variable of valueOfLocation. We do the sql to select all details of institute, and the name of state from table of institute and state. If the user does not choose any criteria, the sql command will select all details from the institute table.

The output is as above.

## **my\_account.php**

In this page, it needs to import all the model class required such as users.php, normalUser.php, admin.php, superadmin.php, institute.php and also news.php. If the user has not sign in, it will redirect to the location of index.php in order to go to home page. Based on the value of role, it will assign the user information into the user variable. Instead of displaying the number of password, we mask it into dot.

## **nav.php**

The navigation in the home page is differs from others. This is because it will assign the function based on the role of the user in order to display different navigation.

## **promoteUser.php**

If the role of the user is super admin, he is able to promote and demote the role of the user. We create the connection to database in order to update the user role. In the sql command, update the user\_role and set role\_id = 2 where the condition must be user\_id. Finally, it will redirect to previous page.

## **update\_account.php**

In this page, it needs to import all the model class required such as users.php, normalUser.php, admin.php, superadmin.php, institute.php and also news.php. The system will return back to home page if the user has sign in already. We assign the object to user based on the role. We do the validation for updating the password by checking whether old password is correct, if wrong, then return FALSE. Second checking is checking whether old password is same with new password. If same, it will return false and an error message. Third checking is checking whether new password and retype password is same. By updating the user information, database is connected to update date of birth and password. All the input is through real\_escape\_string function. The user object in session need to update as well, so the update object is assigned into update session. Finally, it will return to the home page.

## **deleteInstitute.php**

The system will check whether it is super admin to delete the institute. The sql command will call DeleteInstituteByID table to delete the specific institute. Finally, it will return to maintenance page.

## **deleteUser.php**

The system will check whether it is super admin to delete the user. The sql command will call DeleteUser table to delete the specific user. Finally, it will return to maintenance page.

## **sign\_in.php**

In this page, it needs to import all the model class required such as users.php, normalUser.php, admin.php, superadmin.php, institute.php and also news.php. The system will return back to homepage if user had sign in. The user's input is stored into temporary normal user object. The sql command calls AuthenticateUser in the database. After that, if the username is found in the database, sql command will call

SelectAllUserDetailsByUsername. When the query is valid, it assign role id into session based on the user's role. After assigning, store the role id into the session. If the user chooses remember me, we set the cookie with the user' username and password. The message of "sign in successfully" will be promoted to user and then redirect them to home page. Error message will showed when invalid password.

## **sign\_out.php**

We use the unset function towards session of user , admin, superadmin, role to sign out. Finally, it will redirect to the home page.

## **register.php**

In this page, it needs to import all the model class required such as users.php, normalUser.php, admin.php, superadmin.php, institute.php and also news.php. After the process of validating the all the input, the sql command will connect to database to select all from taccode table where the condition must be user\_name. The system will send TAC code to user email if all the input is valid. When the user log in with the tac code or request to resend the tac code, we do a sql coding with deleting from taccode table where the condition is user\_name. However, the tac code will be generated again when the user enter wrongly. The server settings for the emails is done to send the email. The user's input will be added into database if valid and all of them are through real\_escape\_string function. The sql command call the stored procedure (InsertUser) from the database. Creating new object based on the role id of super admin, admin, and normal user. Finally, it will redirect back to the home page.

## **news.php**

In the news.php file, it needs 'users.php', 'normalUser.php', 'admin.php' and 'superadmin.php' models. To view the news of all the colleges, users could select the 'News' at the navigation bar. In the page, users could view the latest news regardless the sequential order of the colleges. While images of each news are display in 3 images in one row and all the contents are takes from the 'college\_portal' database.

## index.php

In index.php file, it needs ‘users.php’, ‘normalUser.php’, ‘admin.php’, ‘superadmin.php’, ‘institute.php’ and ‘news.php’ models. In the home page of the website, selected the “FIND YOUR FUTURE” button, it will automatically scroll down to the bottom of page which display all the existed college in the database with the design of 3 institutes in one row. The institute’s images and name are taken from the ‘college\_portal’ database. Selecting the “VIEW MORE” button, it will redirect the page to the institute page.

## demoteUser.php

User Maintenance						
#	Username	Password	Email	Date Of Birth	Recent Change	Role
1	jeffreytan	12345abcde	tanhoetheng@gmail.com	2000-04-12	2019-06-16 14:48:13	Super Admin <a href="#">Promote</a>   <a href="#">Demote</a>   <a href="#">Delete</a>
2	laukuansin	12345abcde	laukuansin@gmail.com	2000-03-18	2019-06-25 22:07:41	Admin <a href="#">Promote</a>   <a href="#">Demote</a>   <a href="#">Delete</a>
3	chuangjingyee	12345abcde	cjy@gmail.com	2000-04-15	2019-06-20 15:44:43	Admin <a href="#">Promote</a>   <a href="#">Demote</a>   <a href="#">Delete</a>
4	peyxinyee	12345abcde	pxy@gmail.com	1212-12-12	2019-06-13 23:15:36	Admin <a href="#">Promote</a>   <a href="#">Demote</a>   <a href="#">Delete</a>
5	leowjiehan	12345abcde	leowjiehan@gmail.com	2012-12-12	2019-06-24 21:44:47	Admin <a href="#">Promote</a>   <a href="#">Demote</a>   <a href="#">Delete</a>

By selecting the “Demote” button that locate on the User Maintenance container in the maintenance page which only super admin can access, the selected users will straight demote from an admin to a general user. The SQL statements will update the ‘user\_role’ table in the database by selecting the user id and set the relevant role id from 2 to 1 which represent a general user. By the end, it will redirect to the maintenance page which is the previous page.

## [institute.php](#)

The screenshot shows a web application interface for searching institutes. On the left, there is a search bar labeled "Search Institute" with a placeholder "Institute" and a purple search button. Below it is a "Filter By" section with dropdown menus for "Location" (Select Location), "Course" (Select Course), and a "SEARCH" button with a magnifying glass icon.

The main content area is titled "Institute In Malaysia" and displays three college entries:

- INTI College Penang**: Logo of INTI International University & Colleges, 4.5-star rating, Location: Penang, Course Offer: 14. A "VIEW DETAIL" button is present.
- SEGI College Penang**: Logo of SEGI University, 4.5-star rating, Location: Penang, Course Offer: 20. A "VIEW DETAIL" button is present.
- SENTRAL College Penang**: Logo of SENTRAL COLLEGE PENANG, 4.5-star rating, Location: Penang, Course Offer: 0. A "VIEW DETAIL" button is present.

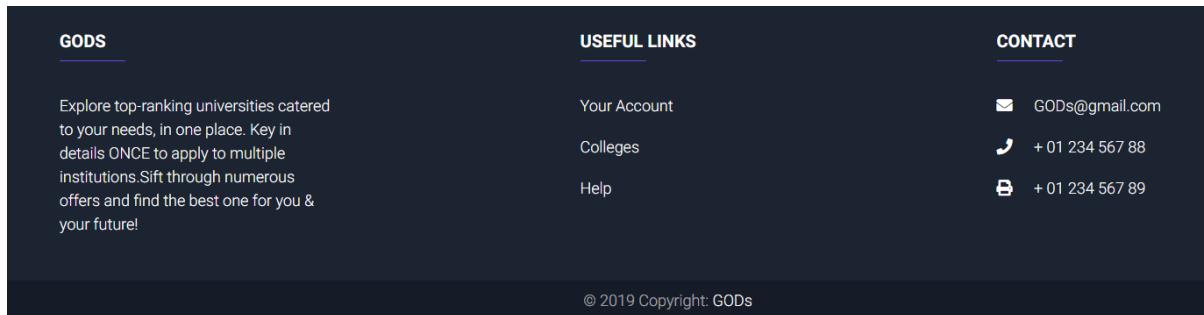
In the `institute.php` file, it needs '`users.php`', '`normalUser.php`', '`admin.php`', '`superadmin.php`', '`institute.php`' and '`news.php`' models. Two arrays have been declared to store the location and the number of courses available for each college. Then, it will select all the attributes in the 'state' table which are the state id, state name and state URL, and then push the state name to the array named `location`. Later on, it selects all the attribute in the 'course' table which are the course id and course name. It then pushed the course name to the array named `course`. In this page, it will call the `instituteList.php` and `instituteDetail.php` file according to the institute id of the selected course.

## [instituteDetail.php](#)

In `instituteDetail.php` file, it needs '`users.php`', '`normalUser.php`', '`admin.php`', '`superadmin.php`', '`institute.php`' and '`news.php`' models. The user information is assigned based on the role id. All the information of the selected college such as the logo, photos, rating, address, news and available courses will be displayed. If user rate for the college, the SQL command will insert the user id, institute id and rating into the "rate" table and after rating users could not repeatedly rate again. The statement will select all college details from the database and display in the webpage. Besides, users are able to view the updated news with the design of 3 images in one row and

latest news display first on the top. Selecting the “Gallery”, users able to view all the images from each posted news.

## footer.php



The footer of every webpages has a design which consists of three column. The first column is a slight description of our website, while the second column is the quick click to the users' account and the institute page. By selecting the “Your Account”, it will link to the users' account page, while selecting the “Colleges” it will link to the institute page. In the third column, it consists of the contact which allow users to seek for help from. Selecting the first row, the computer will open the users' mail server and allow them to email to the following email. Selecting the second row, it will straight open the user's computers skype and allow them to call for help. Selecting the third row, users are able to fax to the relating fax number. Moreover, selecting the word “GODs” in the copyrighted text of the website, it will link to the home page.

## my\_page.php

In the my\_page.php file, it needs ‘users.php’, ‘normalUser.php’, ‘admin.php’, ‘superadmin.php’, ‘institute.php’ and ‘news.php’ models. It will first store the admin object from the session and assign its value. If there is no admin object, it will straight redirect to the home page while if user is an admin it will be allowed to access the page. As an admin, users are able to delete the posted news by selecting the dustbin icon. The SQL statements will call the “DeleteNewsByNewsID” procedure by passing the selected news id as the parameter.

```

BEGIN
    CREATE TEMPORARY TABLE image(
        id BIGINT
    );

    INSERT INTO image(id)
    SELECT image_id
    FROM `gallery_news`
    WHERE news_id = newsID;

    DELETE FROM `gallery_news`
    WHERE news_id = newsID;

    DELETE FROM `gallery`
    WHERE image_id IN( SELECT id FROM `image`);

    DELETE FROM `news`
    WHERE news_id = newsID;

END

```

In this procedure, it will first create a temporary table named “image” with the news id as the parameter. Due to the dependency, it will first delete the related contents before it deletes the whole news. The news id will be pass to the “image” table, then the image id in the “gallery\_news” table is selected according to the selected news id. Afterwards, the related contents are deleted from the “gallery\_news”, “gallery” and “news” table.

Besides, admin also can post news for the college. If the news posted has a valid contents, it will insert the content, institute id and news id into the news table. It selects the maximum value of the ‘news\_id’ attribute from the ‘news’ table and saved as ‘news\_ID’. Then, it checks whether the image is uploaded. After that, the SQL statement select the maximum value of the ‘image\_id’ attribute from the ‘gallery’ table and saved as ‘maxID’. It then counts the number of image uploaded and insert all the uploaded image path into database. The “InsertGalleryNews” procedure has been called to update the image path in the related table.

In addition, admin can add and delete the course available in the college. If admin added the course, the SQL statement will insert the course id, fee and duration to the “institute\_course” table. Whereas, if admin deleted the course, the SQL statement will delete the contents by following the selected course id and according to the institute id from the “institiute\_course” table. After any of this action taken in the webpage, it will redirect to the same current page.

## **forgetPassword.php**

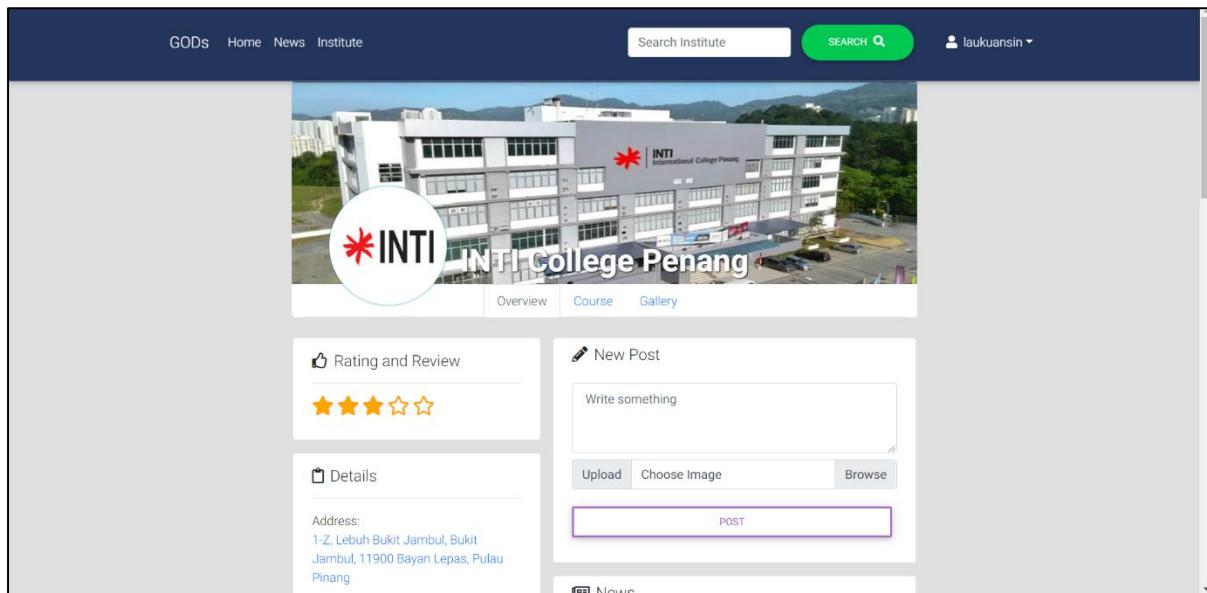
In the forgetPassword.php file, it needs ‘users.php’, ‘normalUser.php’, ‘admin.php’, ‘superadmin.php’ and ‘institute.php’ models. It will first import ‘PHPMailer’ classes into the global namespace and load composer’s autoloader. Then, it will instantiation and passing `true` enables exceptions. It will create an array to store the error message and create a temporary normal user object to store user’s information. Error message will be displayed when invalid username is entered. Later, we manually set the server setting for the email and we will send the username and password to the recipient’s email by using our email.

## **addInstitute.php**

In the addInstitute.php file, it needs ‘users.php’, ‘normalUser.php’, ‘admin.php’, ‘superadmin.php’ and ‘institute.php’ models. Database is connected to get all the state and available admin by using SQL command. All the inputted user details are inserted into database. Connection is created to get the image and update the image path in the database by using the SQL statement. Images from the database are inserted according to the institute id and image id.

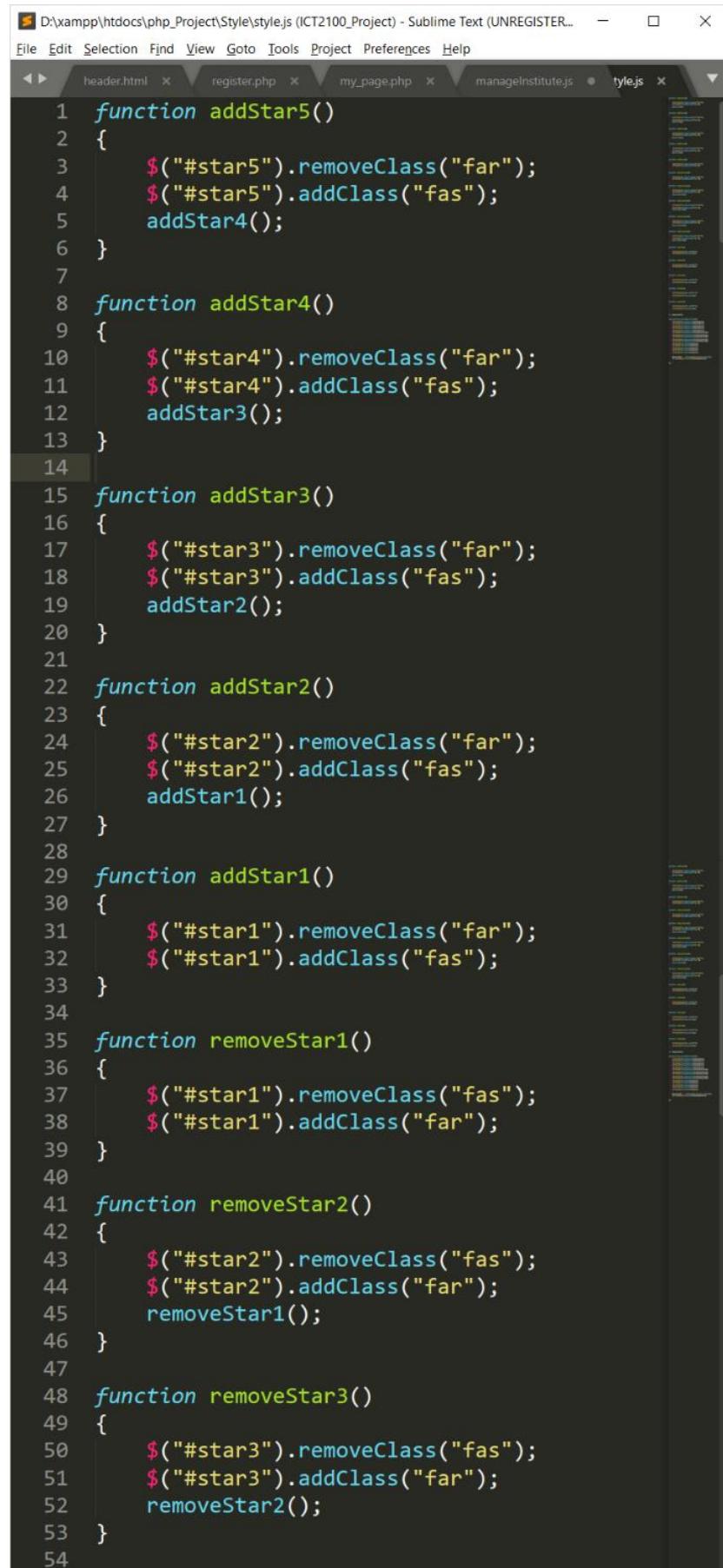
## Excerpt of code

### InstituteDetail.php



InstituteDetail.php is a page which display all the institute details. Although the design of this page looks simple but hard to achieve. The rounded institute logo is placed in the middle of institute cover photo and navigation tab. The cover picture is an overlay image which fall at the back of other components. Although the institute logo looks like overlapping the navigation tab, it is placed behind the navigation tab by setting the z-index to 2. This is because we don't want the institute logo overlapped the navigation tab and hence cause the navigation tab malfunction. It is hard to style and we spend a great amount of time to complete it. Besides, the rating feature which allows user to rate the institute is also quite challenging during implementation. Users can direct rate the institute by clicking on the star. This feature involves JavaScript and jQuery. When user move the mouse over the star, the style of star will change. JQuery will submit the rating to server when user click on the star. Hence, it does not require any button to submit.

## JavaScript & Jquery



The screenshot shows a Sublime Text window with multiple tabs open at the top: header.html, register.php, my\_page.php, manageInstitute.js, and style.js. The style.js tab is active and contains the following JavaScript code:

```
1 function addStar5()
2 {
3     $("#star5").removeClass("far");
4     $("#star5").addClass("fas");
5     addStar4();
6 }
7
8 function addStar4()
9 {
10    $("#star4").removeClass("far");
11    $("#star4").addClass("fas");
12    addStar3();
13 }
14
15 function addStar3()
16 {
17    $("#star3").removeClass("far");
18    $("#star3").addClass("fas");
19    addStar2();
20 }
21
22 function addStar2()
23 {
24    $("#star2").removeClass("far");
25    $("#star2").addClass("fas");
26    addStar1();
27 }
28
29 function addStar1()
30 {
31    $("#star1").removeClass("far");
32    $("#star1").addClass("fas");
33 }
34
35 function removeStar1()
36 {
37    $("#star1").removeClass("fas");
38    $("#star1").addClass("far");
39 }
40
41 function removeStar2()
42 {
43    $("#star2").removeClass("fas");
44    $("#star2").addClass("far");
45    removeStar1();
46 }
47
48 function removeStar3()
49 {
50    $("#star3").removeClass("fas");
51    $("#star3").addClass("far");
52    removeStar2();
53 }
54
```



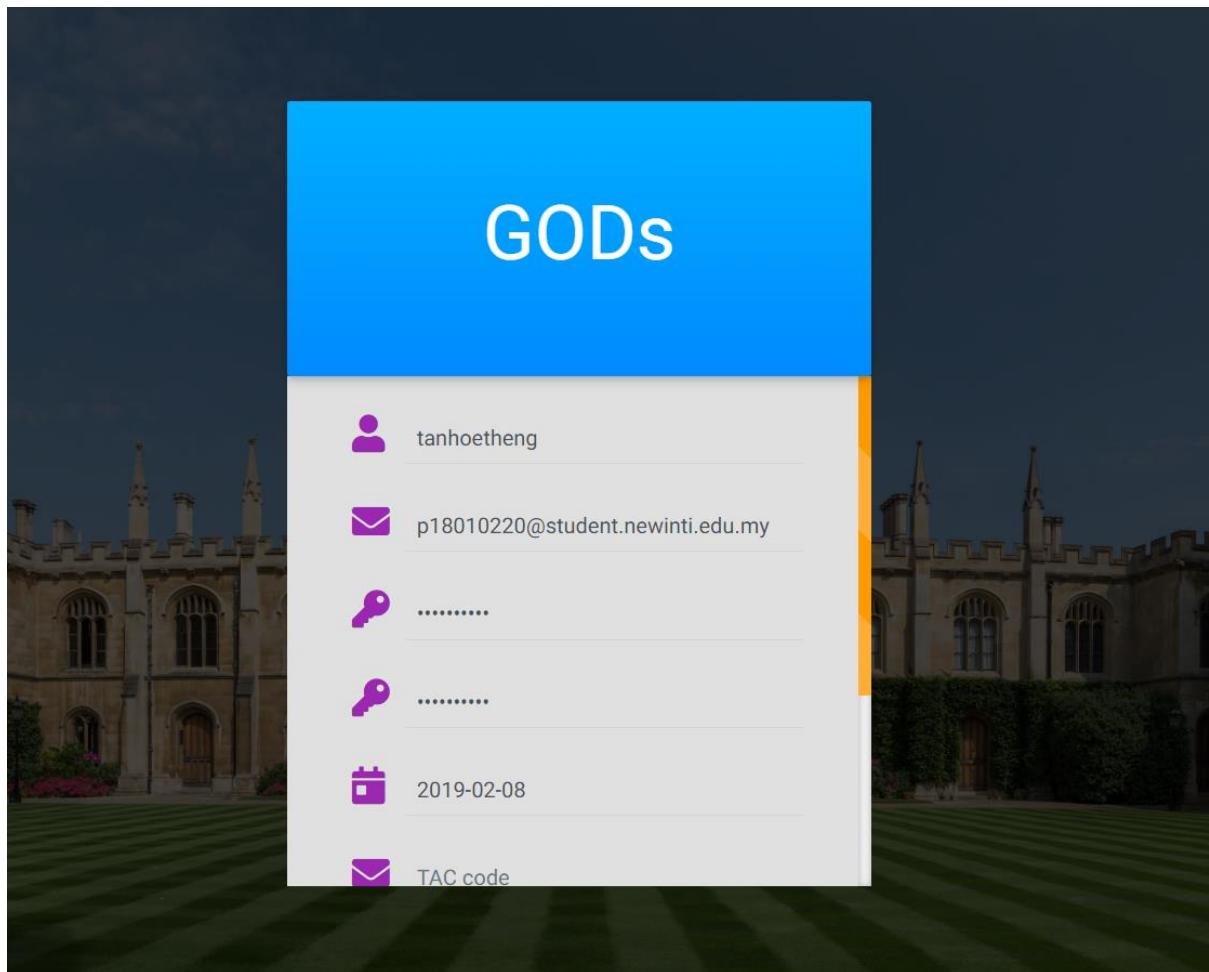
```
55 function removeStar4()
56 {
57     $("#star4").removeClass("fas");
58     $("#star4").addClass("far");
59     removeStar3();
60 }
61
62 function removeStar5()
63 {
64     $("#star5").removeClass("fas");
65     $("#star5").addClass("far");
66     removeStar4();
67 }
68
69 function click1()
70 {
71     $("#starValue").val("1");
72     $("#starForm").submit();
73 }
74
75 function click2()
76 {
77     $("#starValue").val("2");
78     $("#starForm").submit();
79 }
80
81
82 function click3()
83 {
84     $("#starValue").val("3");
85     $("#starForm").submit();
86 }
87
88 function click4()
89 {
90     $("#starValue").val("4");
91     $("#starForm").submit();
92 }
93
94 function click5()
95 {
96     $("#starValue").val("5");
97     $("#starForm").submit();
98 }
99
100 var imageWidth;
101
102 $(document).ready(function(){
103     $("#star1").mouseover(addStar1);
104     $("#star2").mouseover(addStar2);
105     $("#star3").mouseover(addStar3);
106     $("#star4").mouseover(addStar4);
107     $("#star5").mouseover(addStar5);
108     $("#star1").mouseleave(removeStar1);
109     $("#star2").mouseleave(removeStar2);
110     $("#star3").mouseleave(removeStar3);
111     $("#star4").mouseleave(removeStar4);
112     $("#star5").mouseleave(removeStar5);
113     $("#star1").click(click1);
114     $("#star2").click(click2);
115     $("#star3").click(click3);
116     $("#star4").click(click4);
117     $("#star5").click(click5);
118
119     imageWidth = $("#loadGallery").width();
120     $(".gallImage").height(imageWidth);
121
122 });

Line 14, Column 1
master 4
Tab Size: 4
JavaScript
```

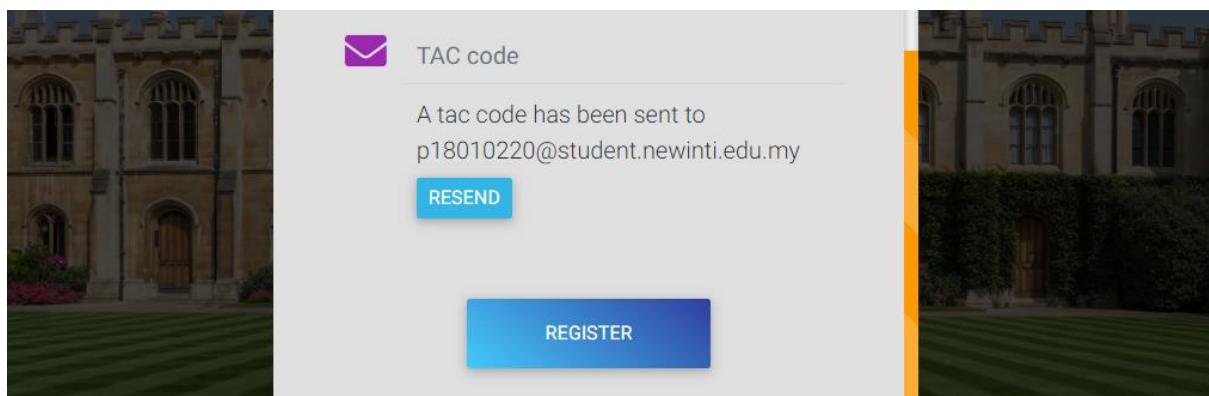
## PHP

```
181 $rateDivision = <<< RATE
182     <div class="bg-white border rounded px-4 py-3 mb-3">
183         <h5><i class="far fa-thumbs-up pr-2"></i>Rate Us</h5>
184         <hr />
185         <form id="starForm" action="$self" method="post">
186             <div style="min-height:40px">
187                 <i class="far fa-star star checked" id="star1"></i>
188                 <i class="far fa-star star checked" id="star2"></i>
189                 <i class="far fa-star star checked" id="star3"></i>
190                 <i class="far fa-star star checked" id="star4"></i>
191                 <i class="far fa-star star checked" id="star5"></i>
192                 <input type="hidden" id="starValue" name="rate" value="" />
193                 <input type="hidden" name="instituteID" value="$institute_id" />
194             </div>
195         </form>
196     </div>
197 RATE;
198
```

## Register.php



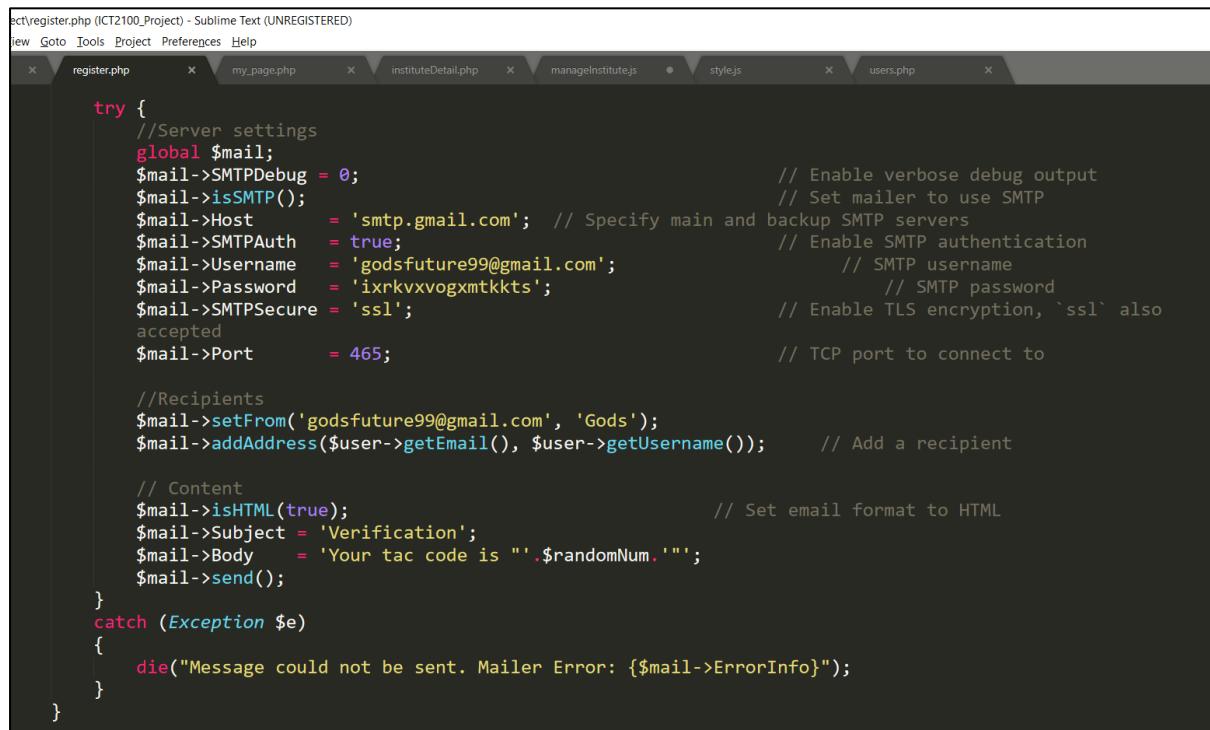
Register.php is a page which allow users to register an account. As usual, all the fields will be validated before storing to database. However, we had added a feature which looks easy but hard to implement.



After user enter all his/her details, a verification email will be sent from [godfuture99@gmail.com](mailto:godfuture99@gmail.com) to user's email. This email contains the tac code that require for the registration process. Without the tac code, the registration process will never

complete. The reason of acquiring tac code is to prevent user enter rubbish data to the database. Besides, it allows users to recover their password in the event of forgetting password because server will send an email that contains his/her password to his/her email account. Therefore, user can find back their password easily if the email account given is valid.

## PHP



The screenshot shows a Sublime Text window with multiple tabs open. The active tab contains PHP code for sending an email. The code uses the PHP Mailer library to configure SMTP settings, set recipients, and define email content. It includes a try-catch block to handle exceptions and a die() statement to output an error message if the message cannot be sent.

```

try {
    //Server settings
    global $mail;
    $mail->SMTPDebug = 0;                                // Enable verbose debug output
    $mail->isSMTP();                                     // Set mailer to use SMTP
    $mail->Host     = 'smtp.gmail.com';                  // Specify main and backup SMTP servers
    $mail->SMTPAuth = true;                             // Enable SMTP authentication
    $mail->Username = 'godsfuture99@gmail.com';          // SMTP username
    $mail->Password = 'ixrkvxvogxmtkks';                // SMTP password
    $mail->SMTPSecure = 'ssl';                          // Enable TLS encryption, `ssl` also
    accepted
    $mail->Port      = 465;                            // TCP port to connect to

    //Recipients
    $mail->setFrom('godsfuture99@gmail.com', 'Gods');
    $mail->addAddress($user->getEmail(), $user->getUsername()); // Add a recipient

    // Content
    $mail->isHTML(true);                               // Set email format to HTML
    $mail->Subject = 'Verification';
    $mail->Body   = 'Your tac code is "'.$randomNum.'"' ;
    $mail->send();
}
catch (Exception $e)
{
    die("Message could not be sent. Mailer Error: {$mail->ErrorInfo}");
}
}

```

## DeleteInstitute.php

The screenshot shows a web application interface with two main sections:

- User Management Table:**

#	Username	Password	Email	Created At	Updated At	Type	Action
8	yuanze	welcome123	taiyuanze@gmail.com	2000-06-05	2019-07-01 08:40:31	User	Promote   Demote   Delete
9	abc	a123456789	edmondkoay0429@gmail.com	0012-12-12	2019-07-01 09:56:11	User	Promote   Demote   Delete
- Institute Maintenance Table:**

#	Institute Name	Address	State	Admin	
1	INTI College Penang	1-Z, Lebuh Bukit Jambul, Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang	Penang	laukuansin	Delete
2	SEGI College Penang	Wisma Greenhall, 43, Jalan Green Hall, 10200 George Town, Pulau Pinang	Penang	chuangjingyee	Delete
3	SENTRAL College Penang	6th Floor, 3, Penang St, Georgetown, 10200 George Town, Penang	Penang	peyxinyee	Delete
4	KDU College Penang	32, Jalan Anson, George Town, 10400 George Town, Pulau Pinang	Penang	leowjiehan	Delete
5	sadfasf	fsaf	Penang	tkevin	Delete

At the bottom left of the Institute Maintenance section, there is a link "Add new institute".

## SQL Stored Procedure

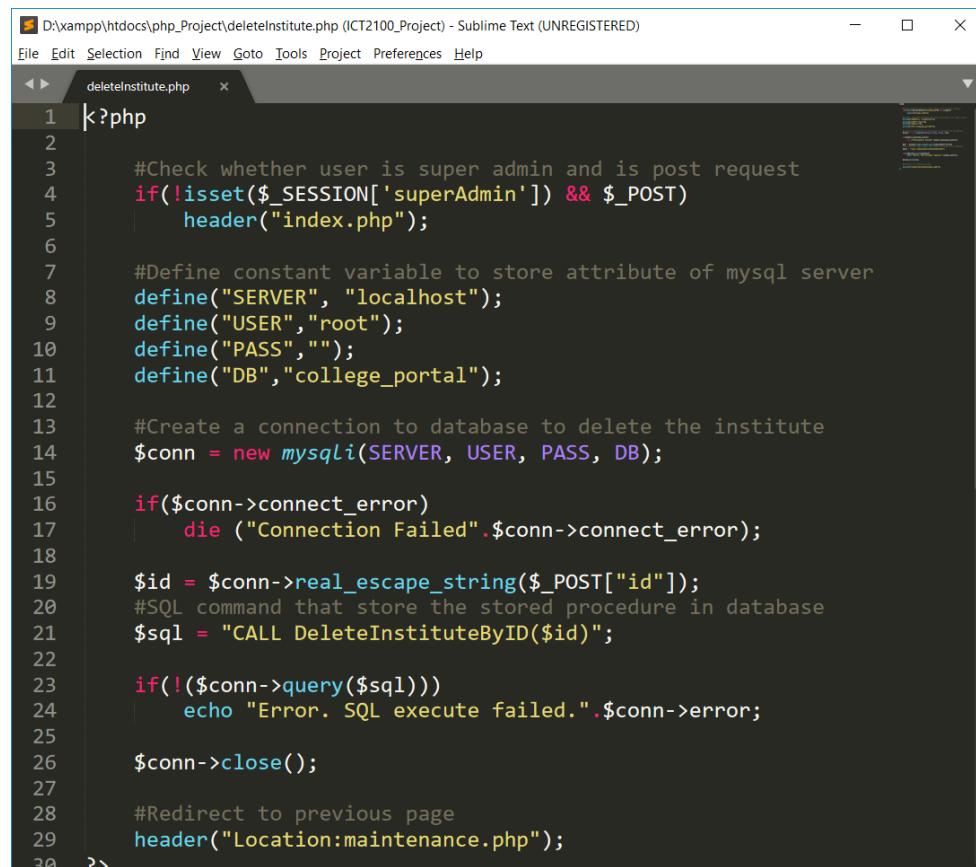
```

1 BEGIN
2     CREATE TEMPORARY TABLE ConstraintID
3     (
4         id INT
5     );
6
7     INSERT INTO ConstraintID(id)
8     SELECT image_id FROM `gallery_news` WHERE news_id IN(SELECT news_id FROM `news` WHERE
9     institute_id = InstituteID);
10    DELETE FROM `gallery_news` WHERE news_id IN(SELECT news_id FROM `news` WHERE institute_id
= InstituteID);
11    DELETE FROM `news` WHERE institute_id = InstituteID;
12    DELETE FROM `institute_course` WHERE institute_id = InstituteID;
13
14    INSERT INTO ConstraintID(id)
15    SELECT image_id FROM `profile_pic` WHERE institute_id = InstituteID;
16
17    DELETE FROM `profile_pic` WHERE institute_id = InstituteID;
18
19    INSERT INTO ConstraintID(id)
20    SELECT `image_id` FROM cover_photo WHERE institute_id = InstituteID;
21
22    DELETE FROM `cover_photo` WHERE institute_id = InstituteID;
23
24    INSERT INTO ConstraintID(id)
25    SELECT `image_id` FROM institute_logo WHERE institute_id = InstituteID;
26
27    DELETE FROM institute_logo WHERE institute_id = InstituteID;
28    DELETE FROM `institute_user` WHERE institute_id = InstituteID;
29    DELETE FROM `gallery` WHERE image_id IN (SELECT id FROM ConstraintID );
30    DELETE FROM `institute` WHERE institute_id = InstituteID;
31 END

```

DeleteInstitute.php is a page that allow super admins to delete institute by calling the DeleteInstituteByID procedure in database. Since there are many dependencies among the table, it is hard to delete an institute. First, it must delete the news in `gallery news`. Before that, since the `gallery news` is linking `gallery` and `news` tables, we need to store all the image id that related to the news in a temporary table so that we can delete the image in `gallery`. Secondly, we will store the image id of institute logo, cover, profile picture into temporary table as well. Then, we can delete all the data related to the institute in `profile\_pic`, `cover\_photo` and `institute\_logo` tables. Since there are no dependency in `institute\_course` and `institute\_user` tables, we can directly remove all the relevance data. After that, we can remove all the images in gallery by referring to the image id in the temporary table. Finally, we can delete the institute.

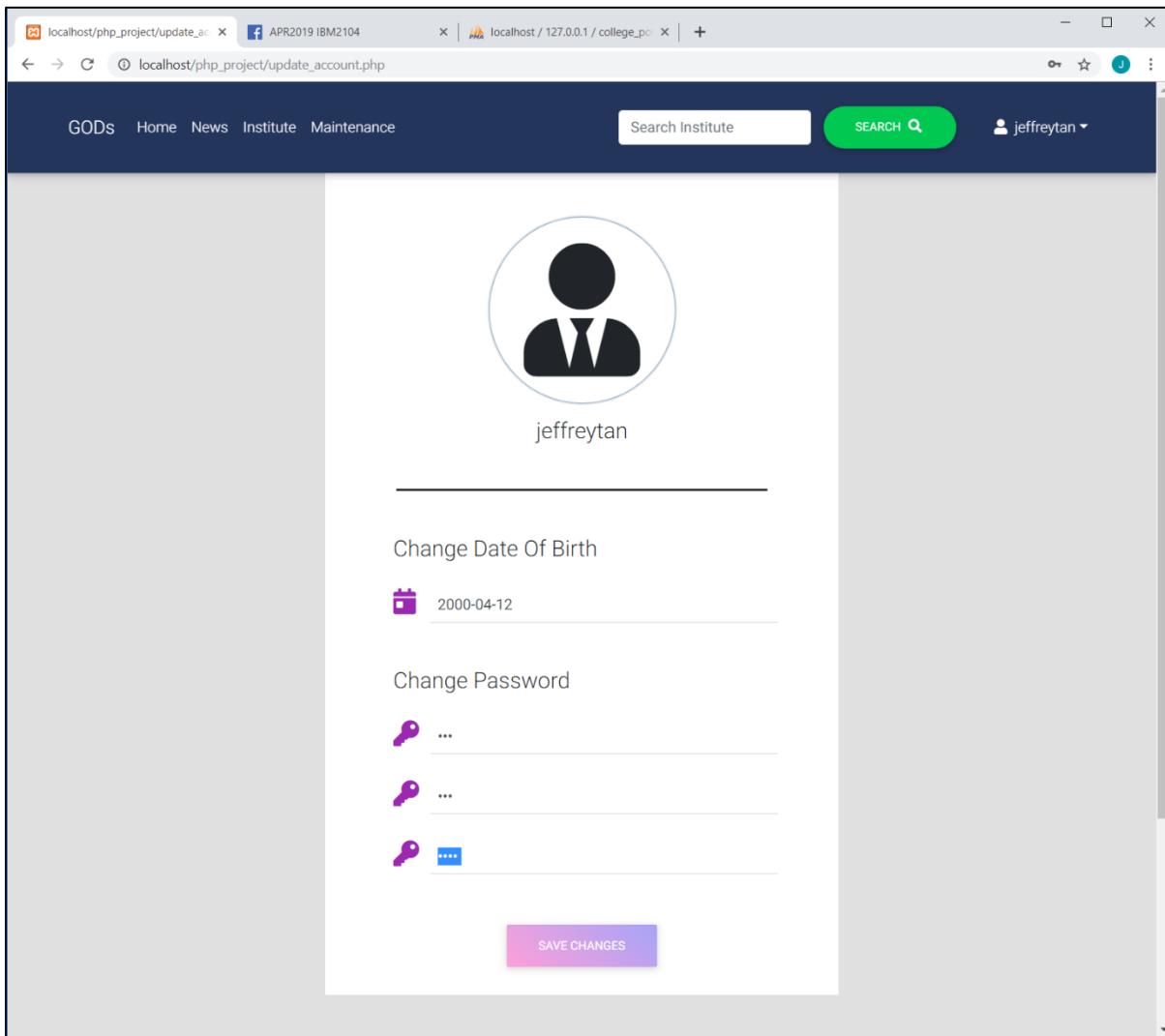
## PHP:



```

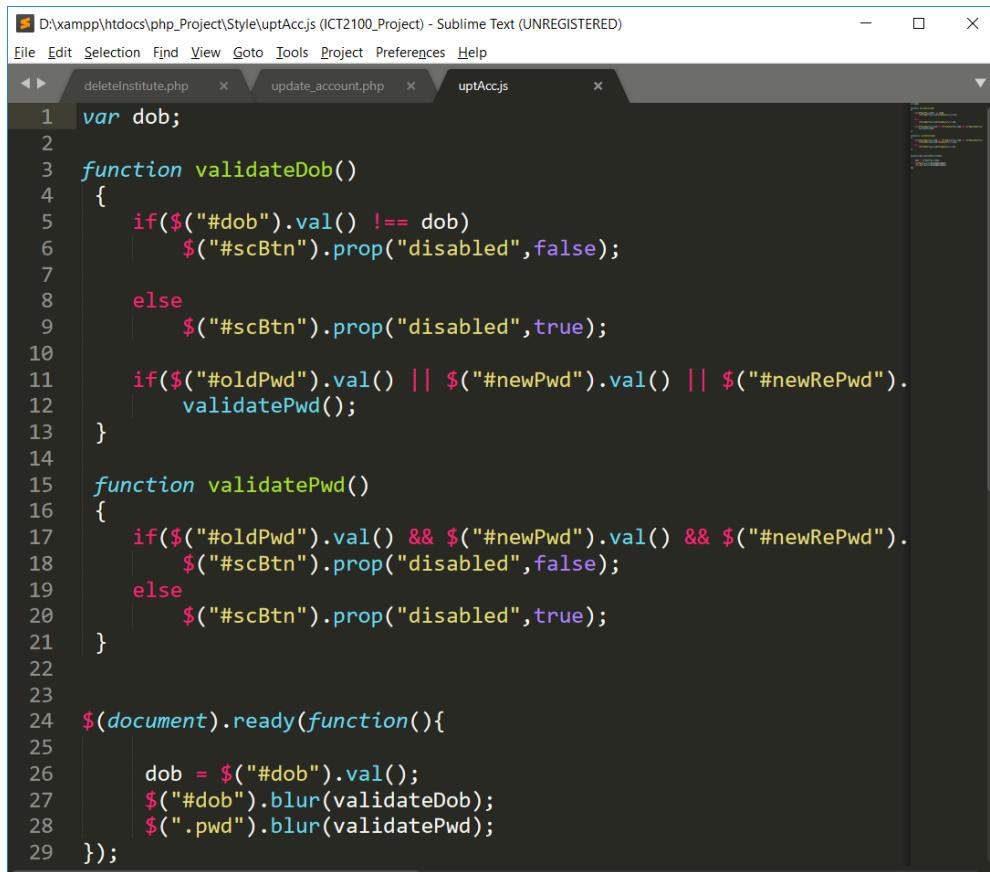
1 <?php
2
3     #Check whether user is super admin and is post request
4     if(!isset($_SESSION['superAdmin']) && $_POST)
5         header("index.php");
6
7     #Define constant variable to store attribute of mysql server
8     define("SERVER", "localhost");
9     define("USER", "root");
10    define("PASS","");
11    define("DB", "college_portal");
12
13    #Create a connection to database to delete the institute
14    $conn = new mysqli(SERVER, USER, PASS, DB);
15
16    if($conn->connect_error)
17        die ("Connection Failed".$conn->connect_error);
18
19    $id = $conn->real_escape_string($_POST["id"]);
20    #SQL command that store the stored procedure in database
21    $sql = "CALL DeleteInstituteByID($id)";
22
23    if(!$conn->query($sql))
24        echo "Error. SQL execute failed.".$conn->error;
25
26    $conn->close();
27
28    #Redirect to previous page
29    header("Location:maintenance.php");
30 ?>
```

## Update\_account.php



Update\_account.php is a page which allow user to change their date of birth and password. In this page, we implement real time validation with JavaScript where only valid input can be submitted. Otherwise, the `save change` button will always be disabled. Users can either change their date of birth, password or both. Date of birth cannot be in future and cannot be same as the original date. On the other hand, new password cannot be same as original password and retype password must match the new password. Either one of the criteria is break, user cannot edit his/her profile.

## JavaScript



The screenshot shows a Sublime Text window with three tabs: 'deleteInstitute.php', 'update\_account.php', and 'uptAcc.js'. The 'uptAcc.js' tab is active and contains the following JavaScript code:

```
1 var dob;
2
3 function validateDob()
4 {
5     if($("#dob").val() !== dob)
6         $("#scBtn").prop("disabled",false);
7
8     else
9         $("#scBtn").prop("disabled",true);
10
11    if($("#oldPwd").val() || $("#newPwd").val() || $("#newRePwd").
12        validatePwd();
13 }
14
15 function validatePwd()
16 {
17     if($("#oldPwd").val() && $("#newPwd").val() && $("#newRePwd").
18         $("#scBtn").prop("disabled",false);
19     else
20         $("#scBtn").prop("disabled",true);
21 }
22
23
24 $(document).ready(function(){
25
26     dob = $("#dob").val();
27     $("#dob").blur(validateDob);
28     $(".pwd").blur(validatePwd);
29 });

```

## my\_page.php

The screenshot shows a web application interface for managing institute courses. At the top, there is a navigation bar with links for GODs, Home, News, Institute, a search bar labeled 'Search Institute', and a user profile for 'laukuansin'. Below the navigation bar is a table listing 14 courses with columns for ID, Course Name, Duration, Fee, and a 'Delete' link. The table has a light gray background and white rows. At the bottom of the table, there is a row for a new course entry with fields for 'Select Course' (dropdown), 'Duration' (input), 'Fee' (input), and buttons for 'Save' and 'Cancel'. A small '+ Add course' button is located below this row.

	Course Name	Duration	Fee	Action
3	Commerce	4	50000	Delete
4	College Foundations	2	25000	Delete
5	Design	3	15000	Delete
6	Geology	3	88000	Delete
7	Hospitality Management	3	58000	Delete
8	Medical Laboratory Technology	3	28000	Delete
9	Nutrition and Dietetics	2	16000	Delete
10	Nanotechnology	2	35000	Delete
11	Physiotherapy	2	45000	Delete
12	Banking	3	40000	Delete
13	Political Science	4	20000	Delete
14	Mathematics	4	30000	Delete
15	Select Course	Duration	Fee	Save Cancel

+ Add course

my\_page.php is a page which admin can manage their institute page. In this page, user can direct add institute by clicking on the `add course` option. It will append a row to the table for user to enter the course information. After click on the `save` option, JavaScript will submit the information to server. If user click on the `cancel` option, JavaScript will remove the appended row. Besides, user can also delete the existing course by clicking on the `delete` option.

## JavaScript



```

D:\xampp\htdocs\php_Project\Style\manageInstitute.js (ICT2100_Project) - Sublime Text (UNREGISTERED)
File Edit Selection Find Goto Tools Project Preferences Help
deleteInstitute.php X update_account.php X uptAccjs X my_page.php X manageInstitute.js X
1 | function saveCourse(){
2 |     $("#courseAppend").submit();
3 |
4 |
5 | function cancelCourse(element)
6 | {
7 |     element.parentElement.parentElement.remove();
8 |
9 |
10 | function deleteCourse(element)
11 | {
12 |     var proceed = confirm("Delete this course?");
13 |     if(proceed)
14 |     {
15 |         var parent = element.parentElement
16 |         var input = document.createElement("input");
17 |         input.value = element.parentElement.getElementsByTagName(
18 |             "input").value;
19 |         input.type="hidden";
20 |         input.name = "courseID";
21 |         parent.appendChild(input);
22 |         saveCourse();
23 |     }
24 |
25 | function deleteNews(element)
26 | {
27 |     var proceed = confirm("Delete this new?");
28 |     if(proceed)
29 |     {
30 |         element.parentElement.submit();
31 |     }
32 | }
33 |
34 | var imageArray = [];
35 |
36 | $(document).ready(function(){
37 |
38 |     $("#addInstitute").click(function(){
39 |         let index = $("#courseDetail tr").last().find("td").first(
40 |
41 |             if(isNaN(index))
42 |                 index = 0;
43 |
44 |             index++;
45 |
46 |             let tRow = "<tr>";
47 |             tRow += "<td>" + index + "</td>";
48 |             tRow += "<td><select class='form-control' name='courseID'>" +
49 |                 $("#courseSelection").html();
50 |             tRow += "</select></td>";
51 |             tRow += "<td><input type='number' class='form-control' name='newCourse'>" +
52 |                 "<td><input type='number' class='form-control' name='courseID'>" +
53 |                 "<td><input type='hidden' name='newCourse' /></td>" +
54 |                 "<td><span class='pointer' onclick='saveCourse()'>" +
55 |                     "</td>" +
56 |                     "</tr>";
57 |             $("#courseDetail").append(tRow);
58 |         });
59 |
60 |         $("#inputGroupFile").change(function(){
61 |             for(var i = 0 ; i < $("#inputGroupFile")[0].files.length;
62 |                 imageArray += "<li>" + $("#inputGroupFile")[0].files[i];
63 |             $("#imageFiles").html(imageArray);
64 |         });
65 |     });
66 |
67 |
68 |
69 |
70 |
71 |
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```

We have written this project using Object Oriented Programming (OOP) concept. All the classes required are in the folder named `Model` .

1. Users.php
2. Admin.php
3. normalUser.php
4. superAdmin.php
5. institute.php
6. news.php
7. state.php
8. course.php
9. image.php

## Screenshot of testing evidence on the functionality/forms

### Register.php

**GODs**

12 34567

Username cannot contain whitespace

tanhoetheng@gmail.com

Email Address already exists

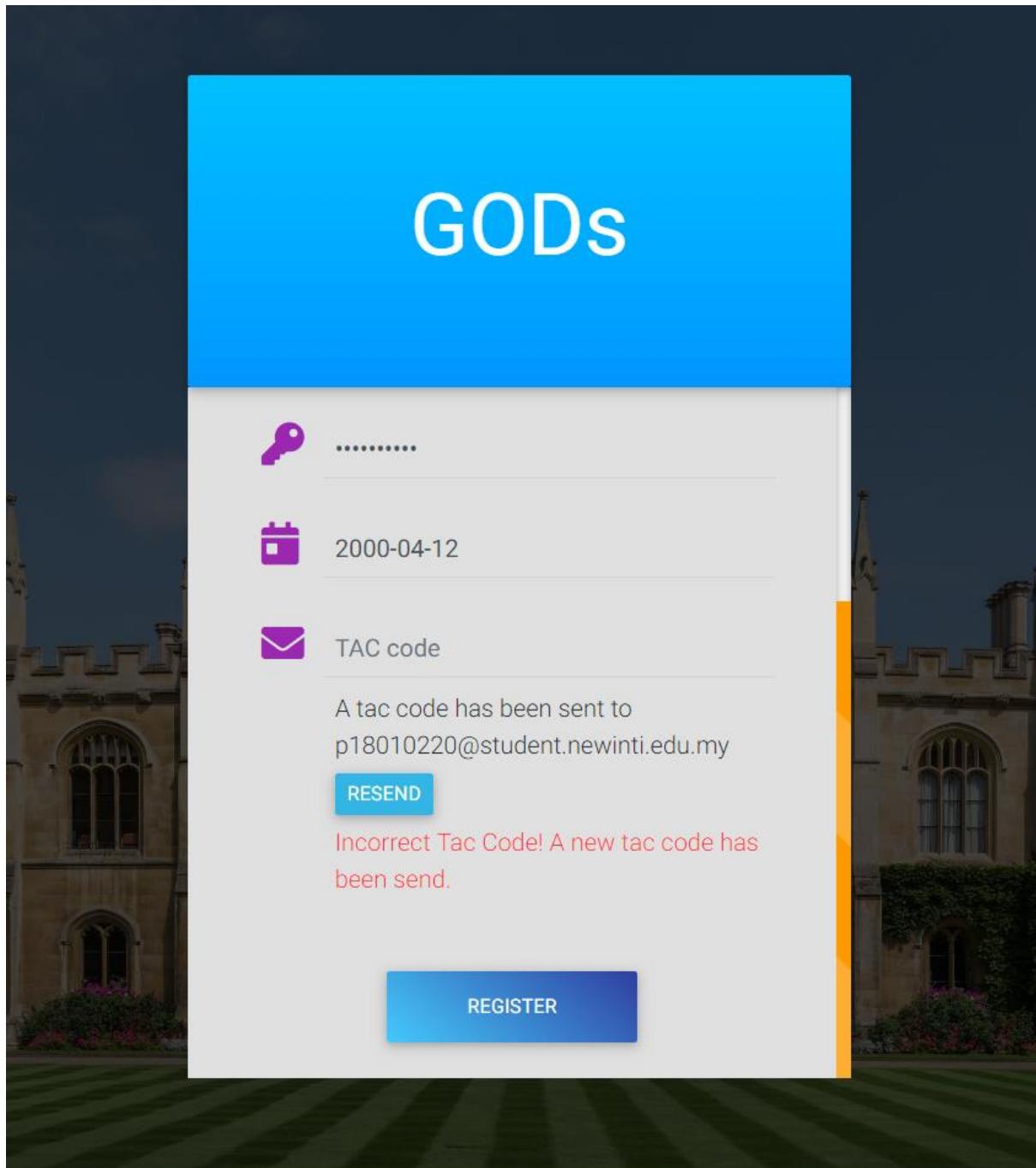
[Sign in now ?](#)

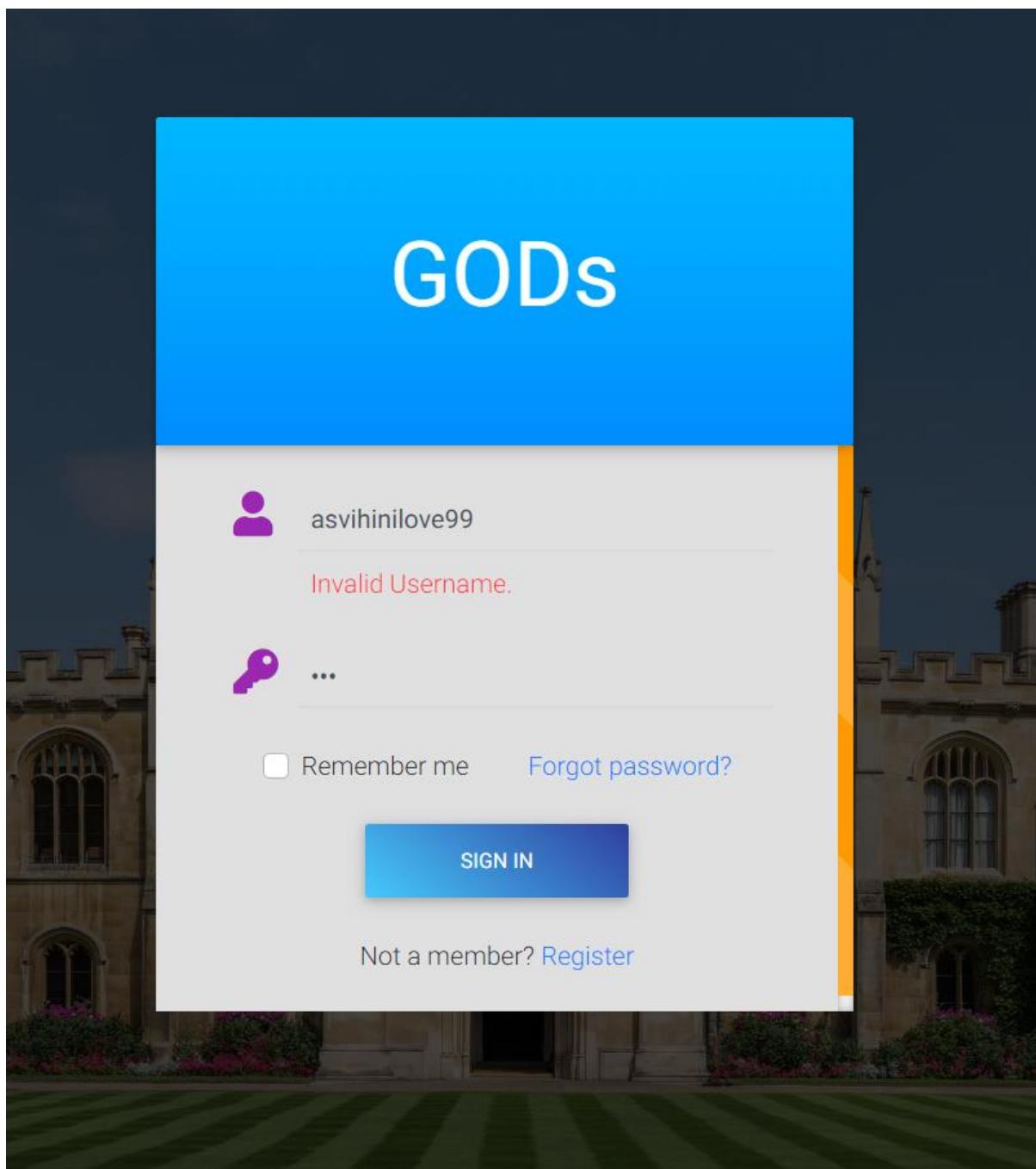
Password

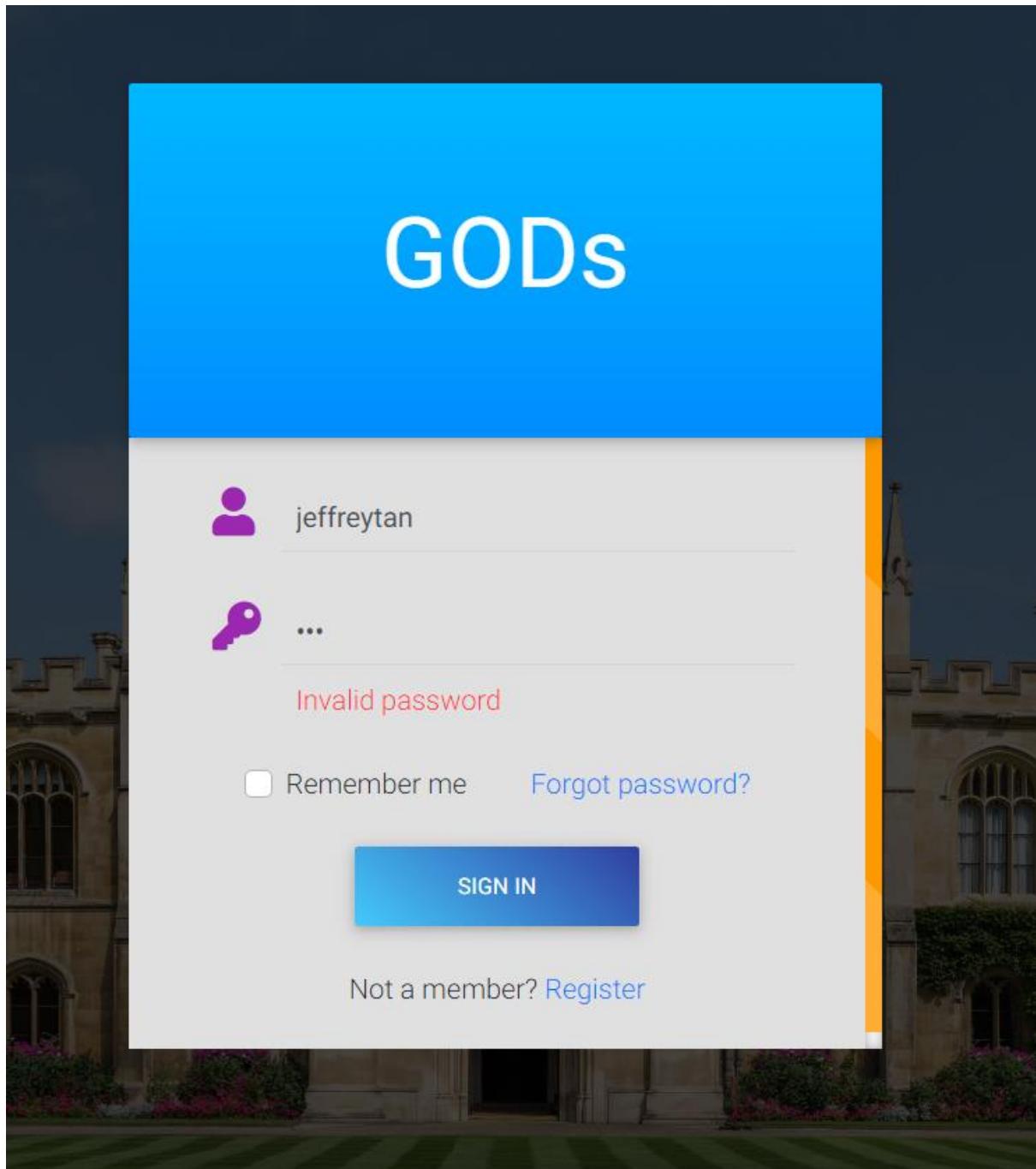
Password must contain at least 8 characters

Retype Password

Date Of Birth



**Sign\_in.php**



**addInstitute.php**

## New Institute

 Enter institute name

Institute name cannot be empty

 Enter institute address

Institute address cannot be empty

 Enter institute address url

Institute address url cannot be empty

 Enter institute iframe url

IFrame url cannot be empty

Select State

State is required

Select admin

Admin is required

 Choose Profile Picture Browse

Please select a profile picture

 Choose Cover Picture Browse

Please select a cover picture

 Choose Logo Browse

Please select a logo

**update\_account.php**

jeffreytan

---

Change Date Of Birth

 2000-04-12

Change Password

 ...  
Invalid password

 ....

 .....

**SAVE CHANGES**

**My\_page.pgp**

The screenshot shows a web application interface for INTI College Penang. At the top, there is a header with the INTI logo and navigation links for Overview, Course, and Gallery. Below the header, there are two main sections: 'Rating and Review' and 'New Post'. The 'Rating and Review' section displays a 5-star rating. The 'New Post' section has a red circle around the input field where the user has entered the XSS payload: <h1>XSS Cross Site Scripting Attack</h1>. Below the input field are buttons for Upload, Choose Image, and Browse, followed by a POST button.

The screenshot shows the same web application interface as the first one. The 'Rating and Review' section displays a 5-star rating. The 'New Post' section has a red circle around the input field, which now contains the sanitized version of the XSS payload: Write something. Below the input field are buttons for Upload, Choose Image, and Browse, followed by a POST button. In the bottom right corner, there is a news feed entry from INTI College Penang dated 2019-07-15 at 02:46:52, which also contains the sanitized XSS payload: <h1>XSS Cross Site Scripting Attack</h1>. A red circle highlights this news feed entry.

## Maintenance.php

The screenshot shows a web application interface. At the top, a header bar displays "Institute Maintenance". Below it is a table with columns: #, Institute Name, Address, State, and Admin. The table contains four rows of data:

#	Institute Name	Address	State	Admin
1	INTI College Penang	1-Z, Lebuh Bukit Jambul, Bukit Jambul, 11900 Bayan Lepas, Pulau Pinang	Penang	laukuansin
2	SEGI College Penang	Wisma Greenhall, 43, Jalan Green Hall, 10200 George Town, Pulau Pinang	Penang	chuangjingyee
3	SENTRAL College Penang	6th Floor, 3, Penang St, Georgetown, 10200 George Town, Penang	Penang	peyxinyee
4	KDU College Penang	32, Jalan Anson, George Town, 10400 George Town, Pulau Pinang	Penang	leowjiehan

A red box highlights the "Add new institute" button at the bottom left of the table area. A red arrow points from this button to a modal dialog window titled "localhost says" which contains the message "There are no available admin." with an "OK" button.

# Database Design– College Portal

## Table

Table	Action	Rows	Type	Collation	Size	Overhead
course		184	InnoDB	latin1_swedish_ci	16 Kib	-
cover_photo		4	InnoDB	latin1_swedish_ci	32 Kib	-
gallery		41	InnoDB	latin1_swedish_ci	16 Kib	-
gallery_news		4	InnoDB	latin1_swedish_ci	48 Kib	-
institute		4	InnoDB	latin1_swedish_ci	32 Kib	-
institute_course		34	InnoDB	latin1_swedish_ci	48 Kib	-
institute_logo		4	InnoDB	latin1_swedish_ci	32 Kib	-
institute_user		4	InnoDB	latin1_swedish_ci	48 Kib	-
news		5	InnoDB	latin1_swedish_ci	32 Kib	-
profile_pic		4	InnoDB	latin1_swedish_ci	32 Kib	-
rate		11	InnoDB	latin1_swedish_ci	48 Kib	-
role		3	InnoDB	latin1_swedish_ci	16 Kib	-
state		13	InnoDB	latin1_swedish_ci	16 Kib	-
taccode		3	InnoDB	latin1_swedish_ci	16 Kib	-
users		8	InnoDB	latin1_swedish_ci	16 Kib	-
user_role		8	InnoDB	latin1_swedish_ci	48 Kib	-

## Course

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	course_id	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	Change  Drop
2	course_name	varchar(255)	latin1_swedish_ci		No	None			Change  Drop

## Cover\_photo

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None			Change  Drop
2	image_id	bigint(20)		UNSIGNED	Yes	NULL			Change  Drop

## Gallery

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	image_id	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change  Drop
2	image_path	text	latin1_swedish_ci		No	None			Change  Drop

## Gallery\_news

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	image_id	bigint(20)		UNSIGNED	No	None			Change  Drop
2	news_id	bigint(20)		UNSIGNED	No	None			Change  Drop

## Institute

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change  Drop ▾ More
2	institute_name	text	latin1_swedish_ci		No	None			Change  Drop ▾ More
3	address	text	latin1_swedish_ci		No	None			Change  Drop ▾ More
4	address_url	text	latin1_swedish_ci		No	None			Change  Drop ▾ More
5	iframe_url	text	latin1_swedish_ci		No	None			Change  Drop ▾ More
6	state_id	int(6)		UNSIGNED	No	None			Change  Drop ▾ More

## Institute\_course

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None			Change  Drop ▾ More
2	course_id	int(6)		UNSIGNED	No	None			Change  Drop ▾ More
3	fee	double			No	None			Change  Drop ▾ More
4	duration	float			No	None			Change  Drop ▾ More

## Institute\_logo

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None			Change  Drop ▾ More
2	image_id	bigint(20)		UNSIGNED	Yes	NULL			Change  Drop ▾ More

## Institute\_user

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None			Change  Drop ▾ More
2	user_id	int(6)		UNSIGNED	No	None			Change  Drop ▾ More

## News

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	news_id	bigint(20)		UNSIGNED	No	None		AUTO_INCREMENT	Change  Drop ▾ More
2	content	text	latin1_swedish_ci		Yes	NULL			Change  Drop ▾ More
3	news_date	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP	Change  Drop ▾ More
4	institute_id	int(10)		UNSIGNED	No	None			Change  Drop ▾ More

## Profile\_pic

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	institute_id	int(10)		UNSIGNED	No	None			Change  Drop ▾ More
2	image_id	bigint(20)		UNSIGNED	Yes	NULL			Change  Drop ▾ More

## rate

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	int(6)		UNSIGNED	No	None			Drop
2	institute_id	int(6)		UNSIGNED	No	None			Drop
3	rating	int(1)		UNSIGNED	No	None			Drop

## Role

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	role_id	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	Drop
2	role_name	varchar(20)	latin1_swedish_ci		Yes	NULL			Drop

## State

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	state_id	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	Drop
2	state_name	varchar(30)	latin1_swedish_ci		No	None			Drop
3	state_url	text	latin1_swedish_ci		No	None			Drop

## Taccode

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_name	varchar(30)	latin1_swedish_ci		No	None			Drop
2	code	varchar(6)	latin1_swedish_ci		No	None			Drop

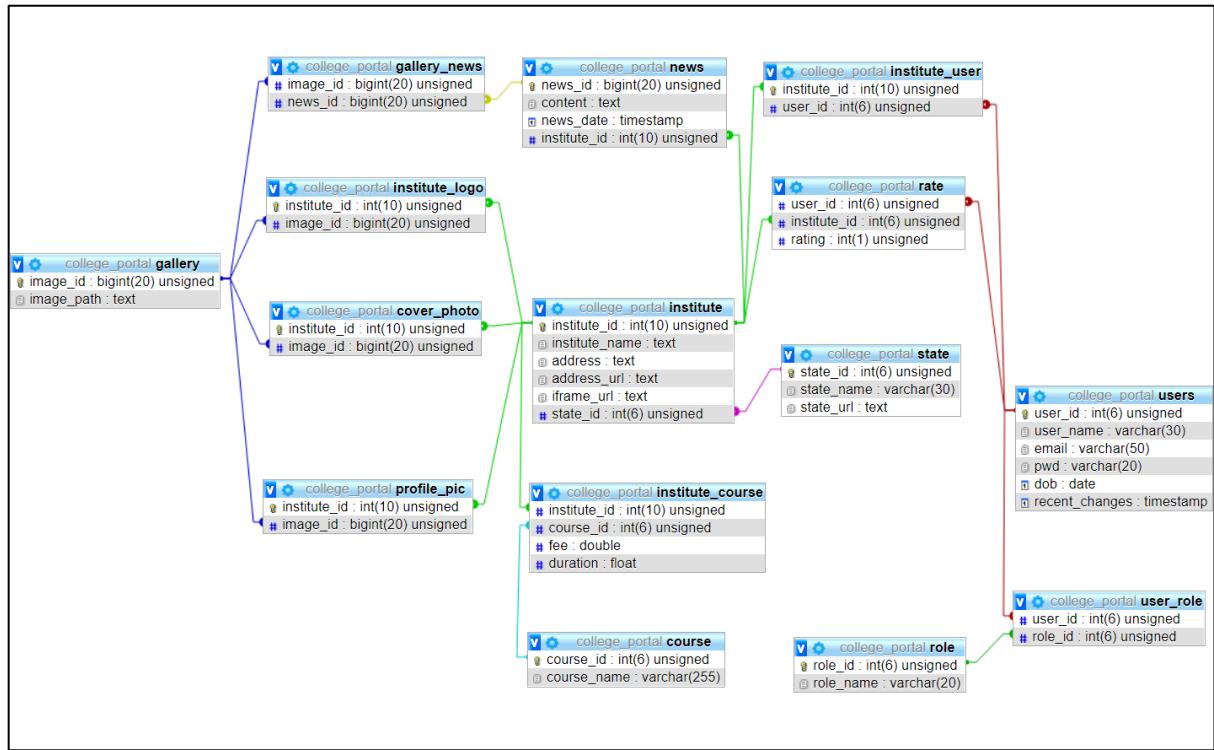
## Users

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	Drop
2	user_name	varchar(30)	latin1_swedish_ci		No	None			Drop
3	email	varchar(50)	latin1_swedish_ci		No	None			Drop
4	pwd	varchar(20)	latin1_swedish_ci		No	None			Drop
5	dob	date			No	None			Drop
6	recent_changes	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP	Drop

## User\_role

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	user_id	int(6)		UNSIGNED	No	None			Drop
2	role_id	int(6)		UNSIGNED	No	None			Drop

# ER Diagram



## Stored Procedure

Name	Action	Type	Returns
<input type="checkbox"/> AuthenticateUser	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> DeleteInstituteByID	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> DeleteNewsByNewsID	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> DeleteUser	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> GetAllCollege	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> GetNewsPic	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> InsertGalleryNews	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> InsertInstitute	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> InsertUser	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectAllAdminWithoutInstitute	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectAllNews	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectAllUserDetailsByUsername	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectCourseByInstitutetID	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectImageIDByNewsID	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectInstituteCourse	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectInstituteDetails	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectNewsByInstituteID	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectUser	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> SelectUserInstitute	Edit  Execute  Export  Drop	PROCEDURE	
<input type="checkbox"/> UpdateUser	Edit  Execute  Export  Drop	PROCEDURE	

## AuthenticateUser

**Details**

Routine name	AuthenticateUser				
Type	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
	IN	username	VARCHAR	30	Char Drop
<b>Add parameter</b>					
<pre>1 BEGIN 2     SELECT user_name, pwd 3     FROM `users` 4     WHERE user_name = username ; 5 END</pre>					
Definition					
Is deterministic	<input type="checkbox"/>				
Adjust privileges	<input checked="" type="checkbox"/> 				
Definer	'root'@`localhost`				
Security type	DEFINER				
SQL data access	CONTAINS SQL				
Comment					

## DeleteInstituteByID

**Details**

<b>Routine name</b>	DeleteInstituteByID				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	Direction	Name	Type	Length/Values	Options
	IN	InstituteID	BIGINT		Drop

**Add parameter**

```

1 BEGIN
2   CREATE TEMPORARY TABLE ConstraintID
3   (
4     id INT
5   );
6
7   INSERT INTO ConstraintID(id)
8     SELECT image_id FROM `gallery_news` WHERE news_id IN(SELECT news_id
9     FROM `news` WHERE institute_id = InstituteID);
10
11  DELETE FROM `gallery_news` WHERE news_id IN(SELECT news_id FROM `news`
12 WHERE institute_id = InstituteID);
13  DELETE FROM `news` WHERE institute_id = InstituteID;
14  DELETE FROM `institute_course` WHERE institute_id = InstituteID;
15
16  INSERT INTO ConstraintID(id)
17    SELECT image_id FROM `profile_pic` WHERE institute_id = InstituteID;
18
19  DELETE FROM `profile_pic` WHERE institute_id = InstituteID;
20
21  INSERT INTO ConstraintID(id)
22    SELECT `image_id` FROM cover_photo WHERE institute_id = InstituteID;
23
24  DELETE FROM `cover_photo` WHERE institute_id = InstituteID;
25
26  INSERT INTO ConstraintID(id)
27    SELECT `image_id` FROM institute_logo WHERE institute_id = InstituteID;
28
29  DELETE FROM institute_logo WHERE institute_id = InstituteID;
30  DELETE FROM `institute_user` WHERE institute_id = InstituteID;
31  DELETE FROM `gallery` WHERE image_id IN (SELECT id FROM ConstraintID );
32  DELETE FROM `institute` WHERE institute_id = InstituteID;
33
34 END

```

**Definition**

**Is deterministic**

**Adjust privileges**

**Definer** `root` @ `localhost`

**Security type** DEFINER

**SQL data access** CONTAINS SQL

**Comment**

## DeleteNewsByNewsID

**Details**

**Routine name** DeleteNewsByNewsID

**Type** PROCEDURE

**Parameters**

Direction	Name	Type	Length/Values	Options
IN	newsID	BIGINT		<input type="button" value="Drop"/>

**Add parameter**

```
1 BEGIN
2     CREATE TEMPORARY TABLE image(
3         id BIGINT
4     );
5
6     INSERT INTO image(id)
7     SELECT image_id
8     FROM `gallery_news`
9     WHERE news_id = newsID;
10
11    DELETE FROM `gallery_news`
12    WHERE news_id = newsID;
13
14    DELETE FROM `gallery`
15    WHERE image_id IN( SELECT id FROM `image` );
16
17    DELETE FROM `news`
18    WHERE news_id = newsID;
19
20 END
```

**Definition**

**Is deterministic**

**Adjust privileges**

**Definer** `root`@`localhost`

**Security type** DEFINER

**SQL data access** CONTAINS SQL

**Comment**

## DeleteUser

**Details**

<b>Routine name</b>	DeleteUser										
<b>Type</b>	PROCEDURE										
<b>Parameters</b>	<table border="1"><thead><tr><th>Direction</th><th>Name</th><th>Type</th><th>Length/Values</th><th>Options</th></tr></thead><tbody><tr><td>IN</td><td>userID</td><td>INT</td><td>6</td><td><input type="button" value="Drop"/></td></tr></tbody></table>	Direction	Name	Type	Length/Values	Options	IN	userID	INT	6	<input type="button" value="Drop"/>
Direction	Name	Type	Length/Values	Options							
IN	userID	INT	6	<input type="button" value="Drop"/>							
<b>Add parameter</b>											
<pre>1 BEGIN 2     DELETE FROM `user_role` WHERE user_id = userID; 3     DELETE FROM `rate` WHERE user_id = userID; 4     DELETE FROM `users` WHERE user_id = userID; 5 END</pre>											
<b>Definition</b>											
<b>Is deterministic</b> <input type="checkbox"/>											
<b>Adjust privileges</b> <input checked="" type="checkbox"/>											
<b>Definer</b> `root`@`localhost`											
<b>Security type</b> DEFINER											
<b>SQL data access</b> CONTAINS SQL											
<b>Comment</b>											

## GetAllCollege

**Details**

<b>Routine name</b>	GetAllCollege				
<b>Type</b>	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
<b>Add parameter</b>					
<pre>1 BEGIN 2     SELECT c.*, i.institute_name, g.image_path 3         FROM cover_photo c, institute i, gallery g 4             WHERE c.institute_id = i.institute_id 5                 &amp;&amp; c.image_id = g.image_id; 6 END</pre>					
<b>Definition</b>					
<input type="checkbox"/> Is deterministic					
<input checked="" type="checkbox"/> Adjust privileges					
<b>Definer</b>	'root'@`localhost`				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## GetNewsPic

**Details**

<b>Routine name</b>	GetNewsPic				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	<b>Direction</b>	<b>Name</b>	<b>Type</b>	<b>Length/Values</b>	<b>Options</b>
	IN	newsID	BIGINT		 Drop
<b>Add parameter</b>					
<b>Definition</b>	<pre>1 BEGIN 2     SELECT image_path 3     FROM gallery 4     WHERE image_id IN 5         (SELECT image_id 6          FROM gallery_news 7          WHERE news_id = newsID); 8 END</pre>				
<b>Is deterministic</b>	<input type="checkbox"/>				
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>				
<b>Definer</b>	'root' @ 'localhost'				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## InsertGalleryNews

**Details**

**Routine name** InsertGalleryNews

**Type** PROCEDURE

**Parameters**

Direction	Name	Type	Length/Values	Options
IN	imagePath	TEXT	---	Chars <input type="button" value="Drop"/>
IN	newsID	BIGINT		<input type="button" value="Drop"/>

**Add parameter**

```
1 BEGIN
2   INSERT INTO `gallery` (image_path)
3   VALUES(imagePath);
4
5   SET @imageID = (
6     SELECT image_id
7     FROM `gallery`
8     WHERE image_path = imagePath);
9
10  INSERT INTO `gallery_news`VALUES(@imageID, newsID);
11
12 END
```

**Definition**

**Is deterministic**

**Adjust privileges**

**Definer** `root`@`localhost`

**Security type** DEFINER

**SQL data access** CONTAINS SQL

**Comment**

## InsertInstitute

**Details**

<b>Routine name</b>	InsertInstitute				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	Direction	Name	Type	Length/Values	Options
	IN	name	TEXT	---	Chars ▾ <span style="color:red;">✖ Drop</span>
	IN	addresses	TEXT	---	Chars ▾ <span style="color:red;">✖ Drop</span>
	IN	url	TEXT	---	Chars ▾ <span style="color:red;">✖ Drop</span>
	stateId	INT	6		<span style="color:red;">✖ Drop</span>

**Add parameter**

```
1 BEGIN
2
3     INSERT INTO `institute`(institute_name, address,address_url,state_id)
4     VALUES(name, addresses, url, stateId);
5
6 END
```

**Definition**

**Is deterministic**

**Adjust privileges**  ?

**Definer** `root` @ `localhost`

**Security type** DEFINER

**SQL data access** CONTAINS SQL

**Comment**

## InsertUser

**Details**

<b>Routine name</b>	InsertUser				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	Direction	Name	Type	Length/Values	Options
	IN	username	VARCHARAI	30	Char ▾ <span style="color:red;">✖ Drop</span>
	IN	email	VARCHARAI	50	Char ▾ <span style="color:red;">✖ Drop</span>
	IN	pass	VARCHARAI	20	Char ▾ <span style="color:red;">✖ Drop</span>
	dob	DATE	---	---	

**Add parameter**

```

1 BEGIN
2   INSERT INTO users(user_name, email, pwd, dob)
3     VALUES(username, email, pass, dob);
4   INSERT INTO user_role
5     SELECT u.user_id, r.role_id
6     FROM users u, role r
7     WHERE u.user_name = username && r.role_id = 3;
8 END

```

**Definition**

**Is deterministic**

**Adjust privileges**

?

<b>Definer</b>	`root`@`localhost`
<b>Security type</b>	DEFINER
<b>SQL data access</b>	CONTAINS SQL
<b>Comment</b>	

## SelectAllAdminWithoutInstitute

**Details**

<b>Routine name</b>	SelectAllAdminWithoutInstitute				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	<b>Direction</b> <b>Name</b> <b>Type</b> <b>Length/Values</b> <b>Options</b>				
<b>Add parameter</b>					
<pre>1 BEGIN 2   SELECT DISTINCT u.user_name, u.user_id 3   FROM `users` u, `user_role` ur, `institute_user` iu 4   WHERE u.user_id = ur.user_id 5   &amp;&amp; ur.role_id = 2 6   &amp;&amp; NOT(ur.user_id IN (SELECT user_id FROM `institute_user`)); 7 END</pre>					
<b>Definition</b>					
<b>Is deterministic</b> <input type="checkbox"/>					
<b>Adjust privileges</b> <input checked="" type="checkbox"/>					
					
<b>Definer</b>	`root`@`localhost`				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## SelectAllNews

**Details**

Routine name	SelectAllNews				
Type	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
<a href="#">Add parameter</a>					
Definition	<pre>1 BEGIN 2     SELECT n.*, i.institute_name, g.image_path 3         FROM news n, institute i,`gallery` g, profile_pic pp 4             WHERE n.institute_id = i.institute_id 5             &amp;&amp; pp.institute_id = i.institute_id 6             &amp;&amp; pp.image_id = g.image_id 7             ORDER BY n.news_date DESC; 8 END</pre>				
Is deterministic	<input type="checkbox"/>				
Adjust privileges	<input checked="" type="checkbox"/>				
Definer	`root`@`localhost`				
Security type	DEFINER				
SQL data access	CONTAINS SQL				
Comment					

## SelectAllUserDetailsByUsername

**Details**

<b>Routine name</b>	SelectAllUserDetailsByUsername				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	<b>Direction</b>	<b>Name</b>	<b>Type</b>	<b>Length/Values</b>	<b>Options</b>
	IN	username	VARCHAR	50	Char <input type="button" value="Drop"/>
<b>Add parameter</b>					
<b>Definition</b>	<pre> 1 BEGIN 2     SET @userID =( 3         SELECT user_id 4             FROM `users` 5                 WHERE user_name = username); 6 7     SET @roleID = ( 8         SELECT role_id 9             FROM `user_role` 10                WHERE user_id = @userID); 11 12     SET @roleName = ( 13         SELECT role_name 14             FROM `role` 15                 WHERE role_id = @roleID); 16 17     SELECT u.* , ur.role_id, r.role_name 18         FROM `user_role` ur,`users` u,`role` r 19             WHERE u.user_id = @userID 20             &amp;&amp; ur.user_id = @userID 21             &amp;&amp; r.role_name = @roleName ; 22 END </pre>				
<b>Is deterministic</b>	<input type="checkbox"/>				
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>				
<b>Definer</b>	`root`@`localhost`				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## SelectCourseByInstituteID

**Details**

Routine name	SelectCourseByInstituteID				
Type	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
	IN	instituteID	BIGINT		Drop
<b>Add parameter</b>					
<pre>1 BEGIN 2     SELECT ic.course_id, c.course_name, ic.fee, ic.duration 3     FROM `institute_course` ic, `course` c 4     WHERE ic.institute_id = instituteID &amp;&amp; c.course_id = ic.course_id; 5 6 END</pre>					
Definition					
Is deterministic	<input type="checkbox"/>				
Adjust privileges	<input checked="" type="checkbox"/> 				
Definer	`root`@`localhost`				
Security type	DEFINER				
SQL data access	CONTAINS SQL				
Comment					

## SelectImageIDByNewsID

**Details**

<b>Routine name</b>	SelectImageIDByNewsID				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	<b>Direction</b>	<b>Name</b>	<b>Type</b>	<b>Length/Values</b>	<b>Options</b>
	IN	newsID	BIGINT		
<b>Add parameter</b>					
<pre>1 BEGIN 2     SELECT image_id FROM gallery_news WHERE news_id = newsID; 3 4 END</pre>					
<b>Definition</b>					
<hr/>					
<b>Is deterministic</b>	<input type="checkbox"/>				
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>				
<b>Definer</b>	'root' @ 'localhost'				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## SelectInstituteCourse

**Details**

<b>Routine name</b>	SelectInstituteCourse										
<b>Type</b>	PROCEDURE										
<b>Parameters</b>	<table border="1"><thead><tr><th>Direction</th><th>Name</th><th>Type</th><th>Length/Values</th><th>Options</th></tr></thead><tbody><tr><td>IN</td><td>instituteID</td><td>INT</td><td>10</td><td><input type="button" value="Drop"/></td></tr></tbody></table>	Direction	Name	Type	Length/Values	Options	IN	instituteID	INT	10	<input type="button" value="Drop"/>
Direction	Name	Type	Length/Values	Options							
IN	instituteID	INT	10	<input type="button" value="Drop"/>							
<b>Add parameter</b>											
<pre>1 BEGIN 2     SELECT c.*, ic.fee, ic.duration 3     FROM institute_course ic, course c 4     WHERE ic.institute_id = instituteID &amp;&amp; ic.course_id = c.course_id; 5 END</pre>											
<b>Definition</b>											
<b>Is deterministic</b>	<input type="checkbox"/>										
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>										
<b>Definer</b>	`root` @ `localhost`										
<b>Security type</b>	DEFINER										
<b>SQL data access</b>	CONTAINS SQL										
<b>Comment</b>											

## SelectInstituteDetails

**Details**

<b>Routine name</b>	SelectInstituteDetails										
<b>Type</b>	PROCEDURE										
<b>Parameters</b>	<table border="1"><thead><tr><th>Direction</th><th>Name</th><th>Type</th><th>Length/Values</th><th>Options</th></tr></thead><tbody><tr><td>IN</td><td>instituteID</td><td>INT</td><td>10</td><td><a href="#">Drop</a></td></tr></tbody></table>	Direction	Name	Type	Length/Values	Options	IN	instituteID	INT	10	<a href="#">Drop</a>
Direction	Name	Type	Length/Values	Options							
IN	instituteID	INT	10	<a href="#">Drop</a>							
<b>Add parameter</b>											
<b>Definition</b>	<pre>1 BEGIN 2     SET @userID = ( 3         SELECT user_id 4             FROM `institute_user` 5                 WHERE institute_id = instituteID); 6     SELECT i.*, s.state_name, s.state_url, u.user_name, u.user_id 7         FROM `institute` i, `state`s, `users` u 8             WHERE i.institute_id = instituteID 9                 &amp;&amp; s.state_id = i.state_id 10                &amp;&amp; u.user_id = @userID; 11 END</pre>										
<b>Is deterministic</b>	<input type="checkbox"/>										
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>										
<b>Definer</b>	`root`@`localhost`										
<b>Security type</b>	DEFINER										
<b>SQL data access</b>	CONTAINS SQL										
<b>Comment</b>											

## SelectNewsByInstituteID

**Details**

Routine name	SelectNewsByInstituteID				
Type	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
	IN	instituteID	BIGINT		<input type="button" value="Drop"/>
<b>Add parameter</b>					
<pre>1 BEGIN 2     SELECT * FROM `news` 3     WHERE institute_id = instituteID 4     ORDER BY news_date DESC; 5 END</pre>					
<b>Definition</b>					
Is deterministic	<input type="checkbox"/>				
Adjust privileges	<input checked="" type="checkbox"/>				
Definer	`root`@`localhost`				
Security type	DEFINER				
SQL data access	CONTAINS SQL				
Comment					

## SelectUser

**Details**

<b>Routine name</b>	SelectUser															
<b>Type</b>	PROCEDURE															
<b>Parameters</b>	<table border="1"><thead><tr><th>Direction</th><th>Name</th><th>Type</th><th>Length/Values</th><th>Options</th></tr></thead><tbody><tr><td>IN</td><td>col_name</td><td>VARCHAR</td><td>50</td><td>Char Drop</td></tr><tr><td>IN</td><td>requiremer</td><td>VARCHAR</td><td>50</td><td>Char Drop</td></tr></tbody></table>	Direction	Name	Type	Length/Values	Options	IN	col_name	VARCHAR	50	Char Drop	IN	requiremer	VARCHAR	50	Char Drop
Direction	Name	Type	Length/Values	Options												
IN	col_name	VARCHAR	50	Char Drop												
IN	requiremer	VARCHAR	50	Char Drop												
<b>Add parameter</b>																
<b>Definition</b>	<pre>1 BEGIN 2     CASE col_name 3         WHEN 'user_name' 4             THEN SELECT user_name FROM Users WHERE user_name = requirement; 5         WHEN 'email' 6              THEN SELECT email FROM Users WHERE email = requirement; 7     END CASE; 8 END</pre>															
<b>Is deterministic</b>	<input type="checkbox"/>															
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>															
<b>Definer</b>	`root`@`localhost`															
<b>Security type</b>	DEFINER															
<b>SQL data access</b>	CONTAINS SQL															
<b>Comment</b>																

## SelectUserInstitute

**Details**

<b>Routine name</b>	SelectUserInstitute				
<b>Type</b>	PROCEDURE				
<b>Parameters</b>	<b>Direction</b>	<b>Name</b>	<b>Type</b>	<b>Length/Values</b>	<b>Options</b>
	IN	userID	INT	6	<input type="button" value="Drop"/>
<b>Add parameter</b>					
<b>Definition</b>	<pre>1 BEGIN 2     SET @instituteID = ( 3         SELECT institute_id 4             FROM `institute_user` 5             WHERE user_id = userID); 6          CALL SelectInstituteDetails(@instituteID); 7     END</pre>				
<b>Is deterministic</b>	<input type="checkbox"/>				
<b>Adjust privileges</b>	<input checked="" type="checkbox"/>				
<b>Definer</b>	`root`@`localhost`				
<b>Security type</b>	DEFINER				
<b>SQL data access</b>	CONTAINS SQL				
<b>Comment</b>					

## UpdateUser

**Details**

Routine name	UpdateUser				
Type	PROCEDURE				
Parameters	Direction	Name	Type	Length/Values	Options
	IN	userID	INT	6	<a href="#">Drop</a>
	IN	userDOB	DATE	---	<a href="#">Drop</a>
IN	userPwd	VARCHAR	30	Chars <a href="#">Drop</a>	
<b>Add parameter</b>					
<pre>1 BEGIN 2   UPDATE users 3     SET dob = userDOB, pwd = userPwd 4   WHERE userID = user_id; 5 END</pre>					
Definition					
Is deterministic	<input type="checkbox"/>				
Adjust privileges	<input checked="" type="checkbox"/>				
Definer	`root`@`localhost`				
Security type	DEFINER				
SQL data access	CONTAINS SQL				
Comment					

## CONCLUSION

In conclusion, the whole project consists of the hard work of all our members. It provides numerous features and can be consider as a well-functioned and completed website.