

# AMITY SCHOOL OF ENGINEERING AND TECHNOLOGY

## WEEKLY PROGRESS REPORT (WPR)– 4

For week commencing 20 June 2022 to 26 June 2022

Enrolment No. - A2305219337

Program - B. Tech CSE

Batch - 2019 - 2023

Student Name – Gunjan

Faculty Guide's Name – Dr. Misha Kakkar

### Project Title:

Certificate Management System

### Targets set for the week:

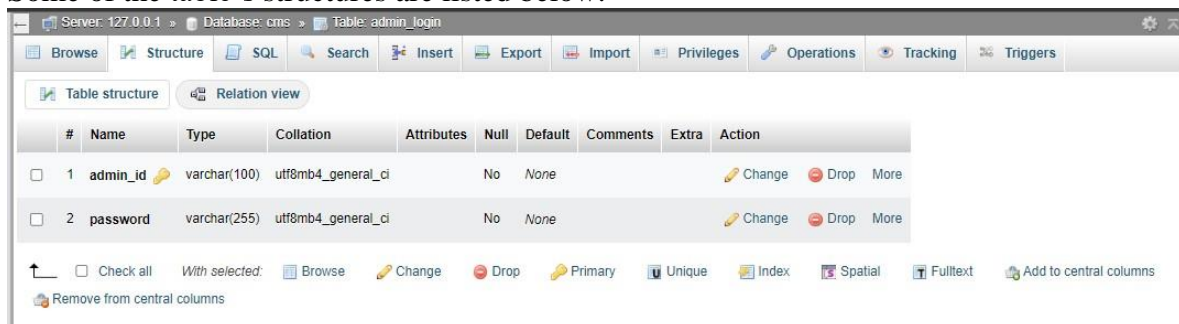
Implementation of the backend part of the project as well as testing out application under various terms. Learning about deploying on Heroku (compression.json, git, heroku cli, InfinityFree for free deployment on heroku).

### Progress/Achievements for the week:

We have almost completed the implementation of backend part of the project. The languages used are: -

1. PHP: All the back-end part i.e., taking input from the user and storing it in database and displaying the information to the user as well as the admin has been implemented in PHP.
2. MySQL: MySQL database has been used as database for the project.
3. We have used Blowfish algorithm to encrypt the password to improve security.

Some of the table's structures are listed below.



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	admin_id	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
2	password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

Server: 127.0.0.1 » Database: cms » Table: certificates

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	fullname	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	enrollment_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	certificate_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 4	issued_by	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 5	doi	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 6	doe	varchar(100)	utf8mb4_general_ci		No	None			

☐ Check all    With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns  
 Remove from central columns

Server: 127.0.0.1 » Database: cms » Table: certificates

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	fullname	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	enrollment_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	certificate_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 4	issued_by	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 5	doi	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 6	doe	varchar(100)	utf8mb4_general_ci		No	None			

☐ Check all    With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns  
 Remove from central columns

Server: 127.0.0.1 » Database: cms » Table: query

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	enrollment_id	varchar(20)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	name	varchar(50)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	message	longtext	utf8mb4_general_ci		No	None			

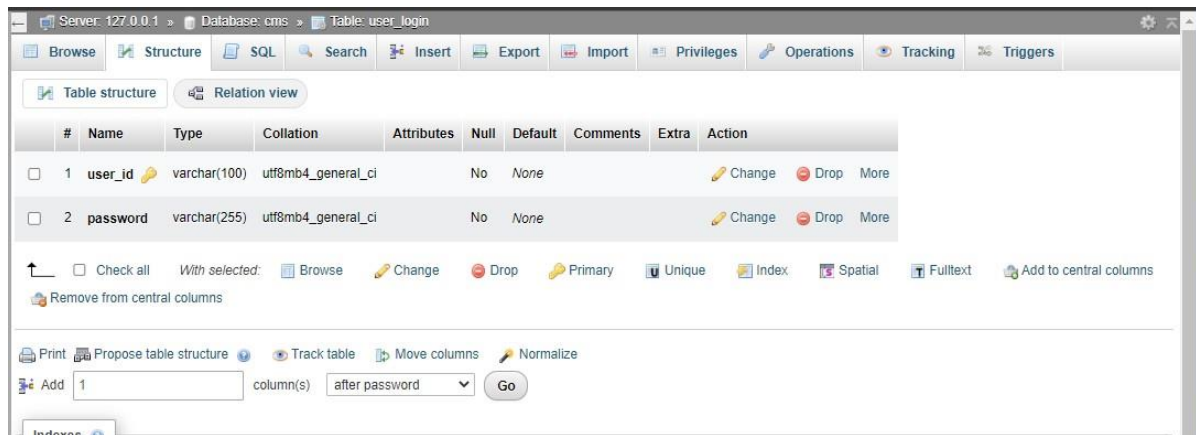
☐ Check all    With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns  
 Remove from central columns

Server: 127.0.0.1 » Database: cms » Table: student

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	fullname	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 2	enrollment_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 3	email_id	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 4	gender	varchar(10)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 5	dob	varchar(100)	utf8mb4_general_ci		No	None			
<input type="checkbox"/> 6	password	varchar(100)	utf8mb4_general_ci		No	None			

☐ Check all    With selected: Browse Change Drop Primary Unique Index Spatial Fulltext Add to central columns  
 Remove from central columns



Server used: -

XAMPP is the most popular PHP development environment. It is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl.

### Future Work Plans:

We are exploring ways to validate the certificates and will perform some levels of testing before the deployment on the application.

Regards

**Gunjan**

7-CSE-5(X)

References:

- 1) <https://github.com/intel-secl/certificate-management-service>
- 2) <https://www.appviewx.com/education-center/what-is-certificate-management/>
- 3) <https://www.freeprojectz.com/php-mysql-project/certificate-management-system>
- 4) <https://errorworld.in/deploy-heroku-apps-that-use-mysql-without-a-credit-card/>
- 5) <https://www.doabledanny.com/Deploy-PHP-And-MySQL-to-Heroku>