Mini Project - 2

|  |  |
| --- | --- |
| **Student Name/ID Number:** |  |
| **Unit Number and Title:** | ACWD Module 4 – Database Design & Implementation |
| **Academic Year:** |  |
| **Unit Assessor:** |  |
| **Project Title:** | Implementing a Database for Community Portal |
| **Issue Date:** |  |
| **Submission Date:** |  |
| **Internal Verifier Name:** |  |
| **Date:** |  |

|  |
| --- |
| **Learner declaration** |
| I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.  Student signature: Date: |

|  |
| --- |
| **Purpose of this project** |
| **Purpose of this project**  To demonstrate your capabilities in the following areas:   * Ability to Implement a MySQL Database based on design created in Mini Project 1 |
| **Submission Format** |
| 1. Screen capture of Database Table structure in PhpMyAdmin 2. Queries used by Web pages in Tabular Format |
| **Project Brief & Guidance** |
| **Scenario:**  **Refer to the Project Scenario for the Module Project**  You have been approached by ‘ABC Jobs Pte Ltd’ as a website developer to develop a community portal for Software Developers. The project will be carried over through Module 3, Module 4, Module 5 and Capstone project. For this module the scope is to Design, Develop, Implement & Document Struts Framework Website.  The Scope of the Project is to design a Community Portal Similar to Linkedin.com. Users will be able to register in the portal using the Registration Page. Users of the portal can search for other users using various parameters such as First Name, Last Name, Company Name, City & Country. Users will be able to view the Public Profile of users after searching them. The portal allow users to login, request for forgotten password and Update their profile information  The scope of the mini project is to implement the database in MySQL.  **The overview of the project is as below**  There are 2 types of users in this Community portal. They are   1. Software Programmer 2. Administrator   **Software Programmer should be able to perform following functions in the portal**   1. Allow the programmers to register in the portal, show a thank you page & send a registration confirmation email. 2. Search & Find Other Programmers after login and view their profile. 3. Provide Login Page 4. Provide password retrieval functionality. |

|  |
| --- |
| 1. Update their Profile after logging in.   Following Functionality is part of Database Design & Will be enhanced as features as required in the Capstone Project, Depending on time availability.   1. Send Messages to Each Other on the Portal 2. Create Threads & Post Replies to a Thread 3. Post Job Opportunities in the Portal   **Administrator should be able to perform following functions in the portal**   1. Administer user data. 2. Send bulk email inviting programmers to register on the community portal   **The portal consist of the following Key pages (For Reference)**   1. Community Portal Home Page 2. Registration Page 3. Registration Confirmation Page 4. Update Profile Page 5. Search Users Page 6. List Search Results 7. Public Profile Page 8. Registration Confirmation Email 9. Login Page 10. Forget Password Page 11. Design the Forget Password Confirmation Page   Following Functionality is part of Database Design and will not be part of development & Will be enhanced as features are required in the Capstone Project, Depending on time availability.   1. Send Messages 2. Read Messages 3. Post in Message Board 4. List Message Board 5. Read A Thread 6. Post Job Opportunities 7. List Job Opportunities & Responses   **The scope of this assignment**  The scope is to Implement the database in MySQL   * 1. Create the tables based on design in Mini Project 1   2. Take note of Field Name, Field Type & Size   3. Implement the database in MySQL and provide screen capture   4. Create a user name in MySQL which can be used by the application, give required access privileges. (Provide screen capture of the user with access privileges) |

e. Briefly list the web pages in the Community portal and queries which will be used by each of them.

1. **Create the tables based on design in Mini Project 1**

* **USER**

CREATE TABLE User

(

Id\_User INT NOT NULL,

Name\_user VARCHAR(90) NOT NULL,

Location VARCHAR(90) NOT NULL,

Experience VARCHAR(90) NOT NULL,

current\_Job VARCHAR(90) NOT NULL,

roles VARCHAR(90) NOT NULL,

Skill VARCHAR(90) NOT NULL,

Password\_user VARCHAR(90) NOT NULL,

Email VARCHAR(90) NOT NULL,

PRIMARY KEY (Id\_User)

);

* **JOB**

CREATE TABLE Job

(

location VARCHAR(90) NOT NULL,

Id\_Job INT NOT NULL,

company VARCHAR(90) NOT NULL,

title VARCHAR(90) NOT NULL,

Job\_Description VARCHAR(90) NOT NULL,

PRIMARY KEY (Id\_Job)

);

* **ADMINISTRATOR**

CREATE TABLE Administrator

(

Id\_Administator INT NOT NULL,

Password\_admin VARCHAR(90) NOT NULL,

Name\_Admin VARCHAR(90) NOT NULL,

PRIMARY KEY (Id\_Administator)

);

* **MESSAGE**

CREATE TABLE Message

(

reciver VARCHAR(90) NOT NULL,

sender VARCHAR(90) NOT NULL,

Date\_Time INT NOT NULL,

Id\_Message INT NOT NULL,

Id\_User INT NOT NULL,

PRIMARY KEY (Id\_Message),

FOREIGN KEY (Id\_User) REFERENCES User(Id\_User)

);

* **THREAD**

CREATE TABLE Thread

(

Id\_User INT NOT NULL,

author VARCHAR(90) NOT NULL,

Thread\_name VARCHAR(90) NOT NULL,

Description\_Thread VARCHAR(90) NOT NULL,

Id\_Thread INT NOT NULL,

PRIMARY KEY (Id\_Thread)

);

* **APPLY**

CREATE TABLE Apply

(

Id\_User INT NOT NULL,

Id\_Job INT NOT NULL,

PRIMARY KEY (Id\_User, Id\_Job),

FOREIGN KEY (Id\_User) REFERENCES User(Id\_User),

FOREIGN KEY (Id\_Job) REFERENCES Job(Id\_Job)

);

* **MANAGE**

CREATE TABLE Manage

(

Id\_Administator INT NOT NULL,

Id\_User INT NOT NULL,

PRIMARY KEY (Id\_Administator, Id\_User),

FOREIGN KEY (Id\_Administator) REFERENCES Administator(Id\_Administator),

FOREIGN KEY (Id\_User) REFERENCES User(Id\_User)

);

* **MAKE**

CREATE TABLE Make

(

Id\_Thread INT NOT NULL,

Id\_User INT NOT NULL,

PRIMARY KEY (Id\_Thread, Id\_User),

FOREIGN KEY (Id\_Thread) REFERENCES Thread(Id\_Thread),

FOREIGN KEY (Id\_User) REFERENCES User(Id\_User)

);

* **BULK EMAIL**

CREATE TABLE Bulk\_Email

(

Description\_Email VARCHAR(90) NOT NULL,

Id\_Email INT NOT NULL,

To\_Email VARCHAR(90) NOT NULL,

Subject\_Email VARCHAR(90) NOT NULL,

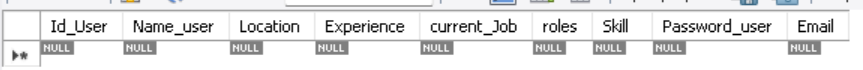
Id\_Administator INT,

PRIMARY KEY (Id\_Email),

FOREIGN KEY (Id\_Administator) REFERENCES Administator(Id\_Administator)

);

* + - 1. **USER**



* + - 1. **ADMINISTRATOR**



* + - 1. **APPLY**



* + - 1. **BULK EMAIL**



* + - 1. **JOB**



* + - 1. **THREAD**



* + - 1. **MESSAGE**



* + - 1. **MANAGE**

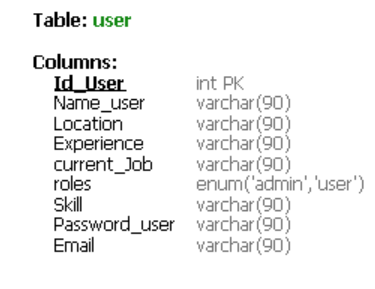


* + - 1. **MAKE**



1. **Take note of Field Name, Field Type & Size**

**Table User**

****

|  |  |
| --- | --- |
| user\_id | int PK |
| Name\_user | varchar(90) |
| Location | varchar(90) |
| Experience | varchar(90) |
| Current\_job | varchar(90) |
| Roles | Enum(‘admin’,’user’) |
| Skill | varchar(90) |
| Password\_user | varchar(90) |
| Email | varchar(90) |

**Table Thread**

|  |  |
| --- | --- |
| Id\_thread | Int PK |
| Description\_thread | Varchar(90) |
| Thread\_name | Varchar(90) |
| Author | Varchar(90) |
| Id\_user | Int |



**Table Apply**

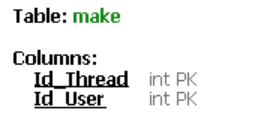
|  |  |
| --- | --- |
| Id\_user | IntPK |
| Id\_job | IntPK |





**Table Administrator**

|  |  |
| --- | --- |
| Id\_administrator | Int PK |
| Password\_admin | Varchar(90) |
| Name\_admin | Varchar(90) |



**Table Make**

|  |  |
| --- | --- |
| Id\_thread | Int PK |
| Id\_User | Int PK |

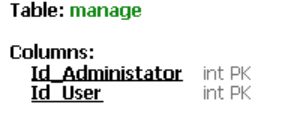
**Table Bulk Email**



|  |  |
| --- | --- |
| Id\_email | Int PK |
| To\_email | Varchar(90) |
| Subject\_email | Varchar(90) |
| Description\_email | Varchar(90) |
| Id\_administrator | Int |

**Table Manage**

|  |  |
| --- | --- |
| Id\_administrator | Int PK |
| Id\_user | Int PK |





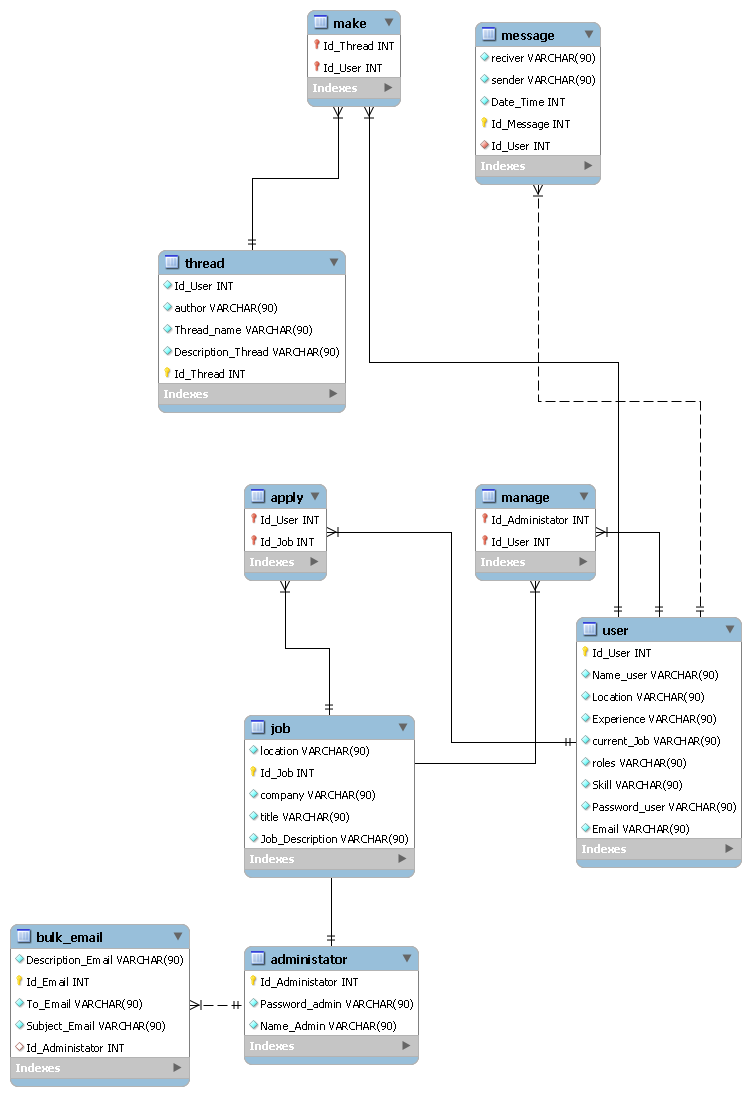
**Table Job**

|  |  |
| --- | --- |
| Id\_job | Int PK |
| Title | Varchar(90) |
| Company | Varchar(90) |
| Location | Varchar(90) |
| Job\_description | Varchar(90) |

**Table Message**

|  |  |
| --- | --- |
| Id\_message | Int PK |
| Id\_user | Int |
| Reciver | Varchar(90) |
| Sender | Varchar(90) |
| Date\_time | Int |





1. **Implement the database in MySQL and provide screen capture**

**USER**

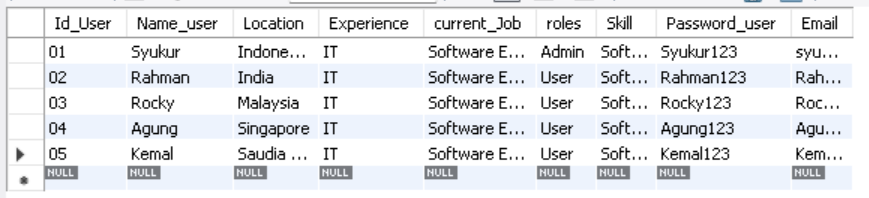
INSERT INTO `comunity\_portal`.`user` (`Id\_User`, `Name\_user`, `Location`, `Experience`, `current\_Job`, `roles`, `Skill`, `Password\_user`, `Email`) VALUES ('01', 'Syukur', 'Indonesian', 'IT', 'Software Enginer', 'Admin', 'Software Enginer', 'Syukur123', 'syukur@gmail.com');

INSERT INTO `comunity\_portal`.`user` (`Id\_User`, `Name\_user`, `Location`, `Experience`, `current\_Job`, `roles`, `Skill`, `Password\_user`, `Email`) VALUES ('02', 'Rahman', 'India', 'IT', 'Software Enginer', 'User', 'Software Enginer', 'Rahman123', 'Rahman@gmail.com');

INSERT INTO `comunity\_portal`.`user` (`Id\_User`, `Name\_user`, `Location`, `Experience`, `current\_Job`, `roles`, `Skill`, `Password\_user`, `Email`) VALUES ('03', 'Rocky', 'Malaysia', 'IT', 'Software Enginer', 'User', 'Software Enginer', 'Rocky123', 'Rocky@gmail.com');

INSERT INTO `comunity\_portal`.`user` (`Id\_User`, `Name\_user`, `Location`, `Experience`, `current\_Job`, `roles`, `Skill`, `Password\_user`, `Email`) VALUES ('04', 'Agung', 'Singapore', 'IT', 'Software Enginer', 'User', 'Software Enginer', 'Agung123', 'Agung@gmail.com');

INSERT INTO `comunity\_portal`.`user` (`Id\_User`, `Name\_user`, `Location`, `Experience`, `current\_Job`, `roles`, `Skill`, `Password\_user`, `Email`) VALUES ('05', 'Kemal', 'Saudia Arabia', 'IT', 'Software Enginer', 'User', 'Software Enginer', 'Kemal123', 'Kemal@gmail.com');



**ADMINISTRATOR**

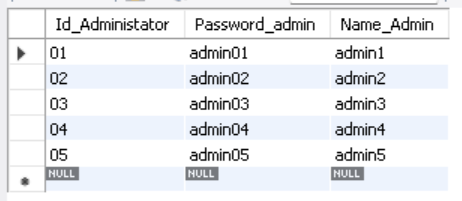
NSERT INTO `comunity\_portal`.`administator` (`Id\_Administator`, `Password\_admin`, `Name\_Admin`) VALUES ('01', 'admin01', 'admin1');

INSERT INTO `comunity\_portal`.`administator` (`Id\_Administator`, `Password\_admin`, `Name\_Admin`) VALUES ('02', 'admin02', 'admin2');

INSERT INTO `comunity\_portal`.`administator` (`Id\_Administator`, `Password\_admin`, `Name\_Admin`) VALUES ('03', 'admin03', 'admin3');

INSERT INTO `comunity\_portal`.`administator` (`Id\_Administator`, `Password\_admin`, `Name\_Admin`) VALUES ('04', 'admin04', 'admin4');

INSERT INTO `comunity\_portal`.`administator` (`Id\_Administator`, `Password\_admin`, `Name\_Admin`) VALUES ('05', 'admin05', 'admin5');



**JOB**

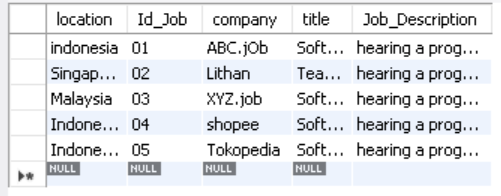
INSERT INTO `comunity\_portal`.`job` (`location`, `Id\_Job`, `company`, `title`, `Job\_Description`) VALUES ('indonesia', '01', 'ABC.jOb', 'Software Enginer', 'hearing a programmer user');

INSERT INTO `comunity\_portal`.`job` (`location`, `Id\_Job`, `company`, `title`, `Job\_Description`) VALUES ('Singapore', '02', 'Lithan', 'Teacher', 'hearing a programmer user');

INSERT INTO `comunity\_portal`.`job` (`location`, `Id\_Job`, `company`, `title`, `Job\_Description`) VALUES ('Malaysia', '03', 'XYZ.job', 'Software Enginer', 'hearing a programmer user');

INSERT INTO `comunity\_portal`.`job` (`location`, `Id\_Job`, `company`, `title`, `Job\_Description`) VALUES ('Indonesia', '04', 'shopee', 'Software Enginer', 'hearing a programmer user');

INSERT INTO `comunity\_portal`.`job` (`location`, `Id\_Job`, `company`, `title`, `Job\_Description`) VALUES ('Indonesia', '05', 'Tokopedia', 'Software Enginer', 'hearing a programmer user');



**Bulk\_Email**

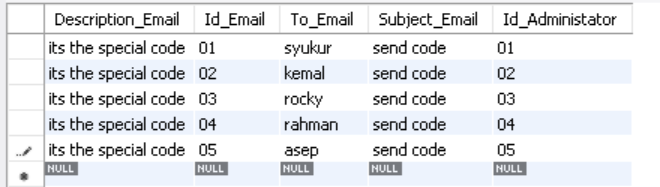
INSERT INTO `comunity\_portal`.`bulk\_email` (`Description\_Email`, `Id\_Email`, `To\_Email`, `Subject\_Email`, `Id\_Administator`) VALUES ('its the special code', '01', 'syukur', 'send code', '01');

INSERT INTO `comunity\_portal`.`bulk\_email` (`Description\_Email`, `Id\_Email`, `To\_Email`, `Subject\_Email`, `Id\_Administator`) VALUES ('its the special code', '02', 'kemal', 'send code', '02');

INSERT INTO `comunity\_portal`.`bulk\_email` (`Description\_Email`, `Id\_Email`, `To\_Email`, `Subject\_Email`, `Id\_Administator`) VALUES ('its the special code', '03', 'rocky', 'send code', '03');

INSERT INTO `comunity\_portal`.`bulk\_email` (`Description\_Email`, `Id\_Email`, `To\_Email`, `Subject\_Email`, `Id\_Administator`) VALUES ('its the special code', '04', 'rahman', 'send code', '04');

INSERT INTO `comunity\_portal`.`bulk\_email` (`Description\_Email`, `Id\_Email`, `To\_Email`, `Subject\_Email`, `Id\_Administator`) VALUES ('its the special code', '05', 'asep', 'send code', '05');



**Thread**

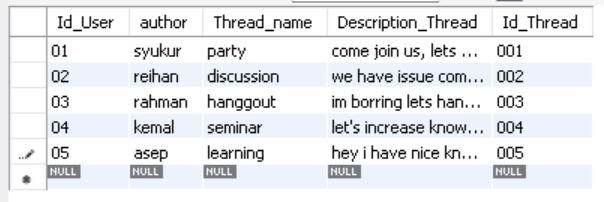
INSERT INTO `comunity\_portal`.`thread` (`Id\_User`, `author`, `Thread\_name`, `Description\_Thread`, `Id\_Thread`) VALUES ('01', 'syukur', 'party', 'come join us, lets party', '001');

INSERT INTO `comunity\_portal`.`thread` (`Id\_User`, `author`, `Thread\_name`, `Description\_Thread`, `Id\_Thread`) VALUES ('02', 'reihan', 'discussion', 'we have issue come here to discussion', '002');

INSERT INTO `comunity\_portal`.`thread` (`Id\_User`, `author`, `Thread\_name`, `Description\_Thread`, `Id\_Thread`) VALUES ('03', 'rahman', 'hanggout', 'im borring lets hanggout', '003');

INSERT INTO `comunity\_portal`.`thread` (`Id\_User`, `author`, `Thread\_name`, `Description\_Thread`, `Id\_Thread`) VALUES ('04', 'kemal', 'seminar', 'let\'s increase knowledge by attending seminars', '004');

INSERT INTO `comunity\_portal`.`thread` (`Id\_User`, `author`, `Thread\_name`, `Description\_Thread`, `Id\_Thread`) VALUES ('05', 'asep', 'learning', 'hey i have nice knowledge come here', '005');



**Message**

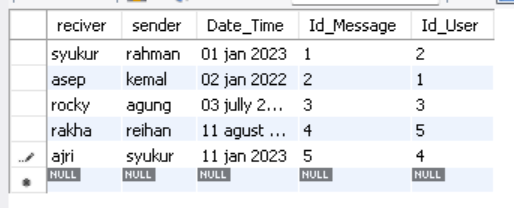
INSERT INTO `comunity\_portal`.`message` (`reciver`, `sender`, `Date\_Time`, `Id\_Message`, `Id\_User`) VALUES ('syukur', 'rahman', '01 jan 2023', '01', '02');

INSERT INTO `comunity\_portal`.`message` (`reciver`, `sender`, `Date\_Time`, `Id\_Message`, `Id\_User`) VALUES ('asep', 'kemal', '02 jan 2022', '02', '01');

INSERT INTO `comunity\_portal`.`message` (`reciver`, `sender`, `Date\_Time`, `Id\_Message`, `Id\_User`) VALUES ('rocky', 'agung', '03 jully 2022', '03', '03');

INSERT INTO `comunity\_portal`.`message` (`reciver`, `sender`, `Date\_Time`, `Id\_Message`, `Id\_User`) VALUES ('rakha', 'reihan', '11 agust 2022', '04', '05');

INSERT INTO `comunity\_portal`.`message` (`reciver`, `sender`, `Date\_Time`, `Id\_Message`, `Id\_User`) VALUES ('ajri', 'syukur', '11 jan 2023', '05', '04');



1. **Create a user name in MySQL which can be used by the application, give required access privileges. (Provide screen capture of the user with access privileges)**

|  |
| --- |
| 1. **Create the name of the user and password (syukur123456)** |
| 1. **I’m not giving any limits, so it is just the default configuration** |
| 1. **I’m giving all the access for this new user** |
| **After I’m creating the new user so instead of login with the root user, I can login / connect to the database with this new user** |

1. **Briefly list the web pages in the Community portal and queries which will be used by each of them.**

|  |  |  |  |
| --- | --- | --- | --- |
| Page | Tables | Function | Query |
| Registration Page | user | Create a new user | INSERT INTO user (`user\_id`, `email\_adress`, `password`, `adress`, `full\_name`, `current\_job`, `admin\_id`) VALUES ('1', 'something', 'something', 'Indonesia', 'someone', 'Software Engineer', '2'); |
| Login Page | user | Validate login Credential | SELECT email\_adress, password FROM user WHERE email = “something” AND password = “something” |
| Edit Profile | user | Update Profile | UPDATE user SET full\_name = "someone", current\_job = "something" WHERE user\_id = 1; |
| experience form | experience | Add new Experience | INSERT INTO experience (`experience\_id`, `previous\_job`, `number\_of\_years`, `company\_name`, `user\_id`) VALUES ('1', 'Software Engineer', '3', 'XYZ Corporatio', '2'); |
| admin | bulk\_email | Send bulk email | INSERT INTO bulk\_email (`bulk\_email\_id`, `email\_subject`, `email\_description`, `from`, `to`, `admin\_id`) VALUES ('1', 'Upcoming Event', 'We invite you to join us for an upcoming event where you can learn more about our company', 'event@lmncompany.com', 'customer@abc.com ', '3'); |

|  |  |  |  |
| --- | --- | --- | --- |
| Page | Tables | Function | Query |
| Registration Page | User | Create a new user | INSERT INTO 'job\_Portal','user' ('user\_id','username','emaill','passwordd','skill\_name','Current\_job','address) VALUES('1',Syukur1','syukur@gmail.com','syukur123','software Enginer','IT support','bandung'); |
| Login | User | To Login to Community Portal | INSERT INTO 'job\_portal','user' ('user\_id','emaill','passwordd') VALUES ('1','syukur@gmail.com','syukur123'); |
| Thread | Thread | Create forum or sharing session | INSER INTO 'job\_portal','thread ('thread\_id','user\_id','thread\_name','desc\_thread','author') VALUES ('1','1',Party’,'just Party','jhon'); |
| Job | Job | Post a job | INSERT INTO 'job\_portal','job ('job\_id','address','job\_title','Time\_job','last\_date\_post','company\_name') VALUES ('1','Bandung',hearing Software Enginer user','full-time','2022-11-12','ABC.jobs'); |
| Admin | Admin | To Send Bulk\_email | INSERT INTO 'job\_portal','admin' ('bulk\_email\_id','desc\_bulk','subjectt','fromm','admin\_id') VALUES ('1','code special for login','special Code','admin1@gmail.com','1'); |