

Assignment - 2

Student Name/ID Number:	W.A. Chathushi Dilhari Jayarathna
Unit Number and Title:	Database Design & Implementation
Academic Year:	2022/23
Unit Assessor:	Mrs. Arvinder Kaur
Project Title:	Implementing a Database for Community Portal
Issue Date:	21/07/2022
Submission Date:	30/07/2022
Internal Verifier Name:	
Date:	30/07/2022

Learner declaration

I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.

Student signature: Chathushi

Date: 30/07/2022

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.

5. 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.

6. Send Messages to Each Other on the Portal
7. Create Threads & Post Replies to a Thread
8. 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 **insert**
3. Registration Confirmation Page
4. Update Profile Page **update**
5. Search Users Page **select**
6. List Search Results **select**
7. Public Profile Page **select**
8. Registration Confirmation Email **insert**
9. Login Page **select**
10. Forget Password Page **select**
11. Design the Forget Password Confirmation Page **update**

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.

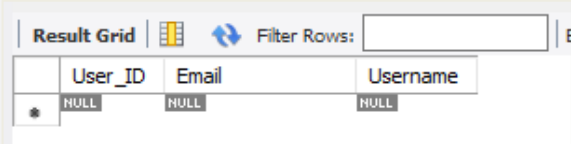
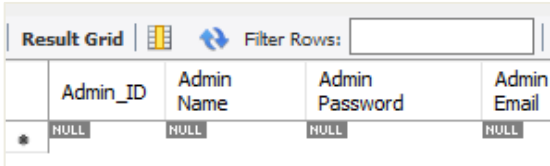
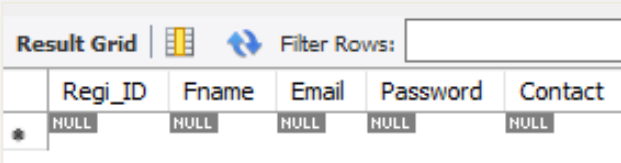
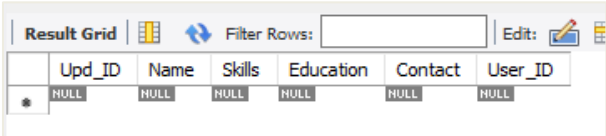
12. Send Messages **insert**
13. Read Messages
14. Post in Message Board
15. List Message Board
16. Read A Thread
17. Post Job Opportunities -**insert**
18. List Job Opportunities & Responses - **select**

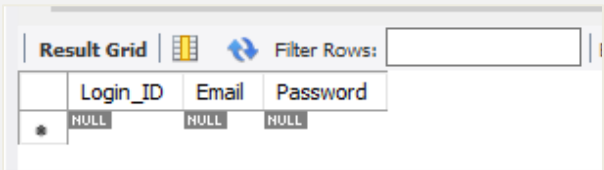
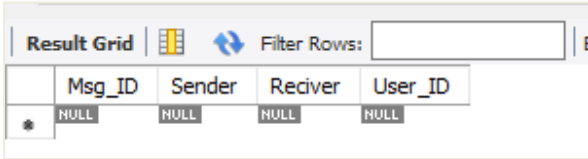
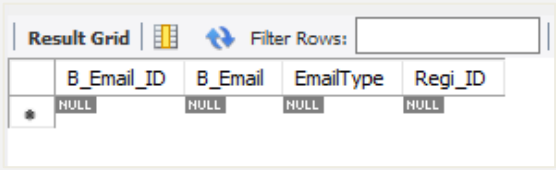
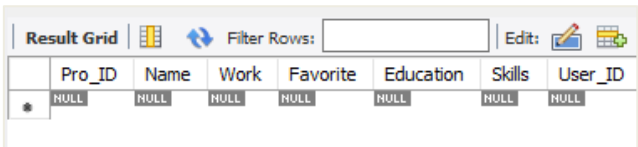
The scope of this assignment

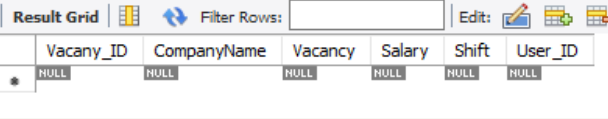
The scope is to Implement the database in MySQL

- a. Create the tables based on design in Mini Project 1
- b. Take note of Field Name, Field Type & Size
- c. Implement the database in MySQL and provide screen capture
- d. 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.

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

Entity	Table Name
User	<ul style="list-style-type: none"> CP_USER <u>User_ID</u> Email Username 
Admin	<ul style="list-style-type: none"> CP_ADMIN <u>Admin_ID</u> Admin Name Admin Password Admin Email 
Account	<ul style="list-style-type: none"> CP_ACCOUNT <u>Regi_ID</u> Fname Email Password Contact 
Update Profile	<ul style="list-style-type: none"> CP_UPDATEPRO <u>Upd_ID</u> UserProfilePic Skills Contact Education Name <u>User_ID (fk)</u> 
Login	<ul style="list-style-type: none"> CP_LOGIN <u>Login_ID</u>

	<ul style="list-style-type: none"> Email Password 
Message	<ul style="list-style-type: none"> CP_MESSAGE <u>Msg_ID</u> Sender Receiver <u>User_ID (fk)</u> 
Bulk Email	<ul style="list-style-type: none"> CP_BULKEMAIL <u>B_Email_ID</u> B_Email Email type <u>Regi_ID (fk)</u> 
Public Profile	<ul style="list-style-type: none"> CP_PUBLICPRO <u>Pro_ID</u> Name Work Favorite Education Skills Profile Photo <u>User_ID (fk)</u> 
Job	<ul style="list-style-type: none"> CP_JOB <u>Job_ID</u> Company Name Vacancy Salary Shift

	<ul style="list-style-type: none"> User_ID 
Company	<ul style="list-style-type: none"> CP_COMPANY <u>Com_ID</u> Company Name Contact Location <u>User_ID</u> (fk) 
Post Message	<ul style="list-style-type: none"> CP_PostMessage <u>Postmsg_ID</u> (pk) Post Message Content Post Date <u>User_ID</u>(fk) 

b. Take note of Field Name, Field Type & Size

Entity Name	Table Name		
User	CP_User		
	Field Name	Field Type	Size
	User_ID (pk)	INT	11
	Email	VARCHAR	40
	Username	VARCHAR	15

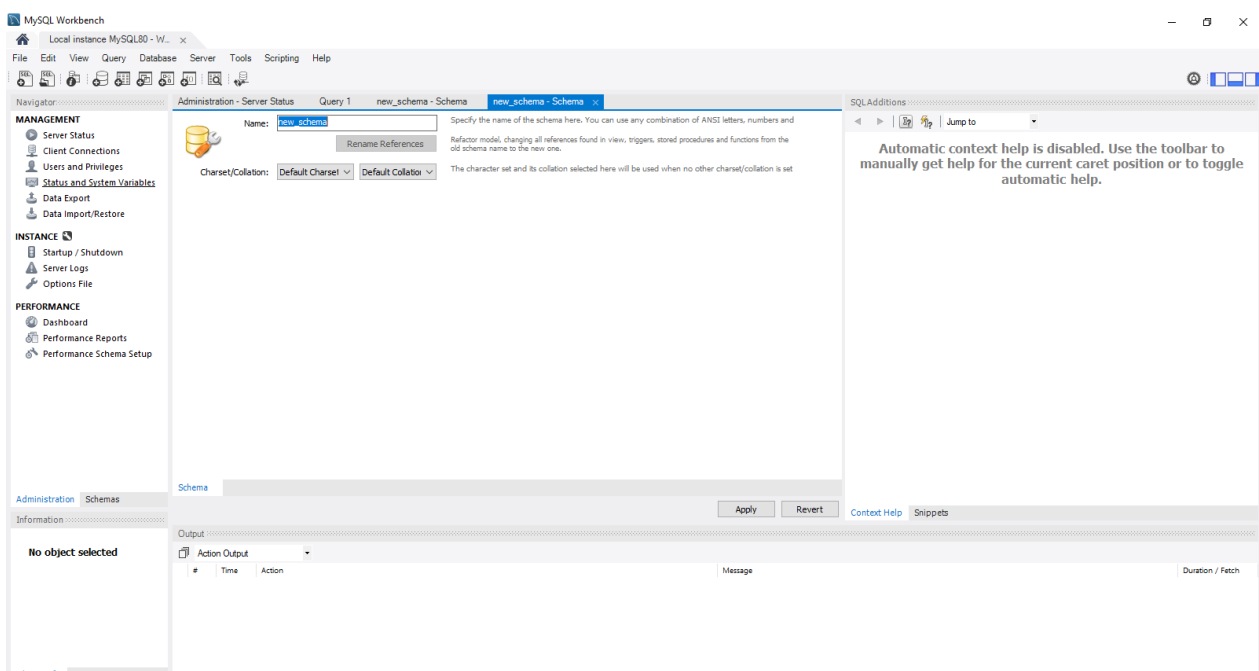
Admin	CP_Admin <table><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Admin_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>Admin Name</td><td>VARCHAR</td><td>40</td></tr><tr><td>Admin Password</td><td>VARCHAR</td><td>15</td></tr><tr><td>Admin Email</td><td>VARCHAR</td><td>40</td></tr></table>	Field Name	Field Type	Size	Admin_ID (pk)	INT	11	Admin Name	VARCHAR	40	Admin Password	VARCHAR	15	Admin Email	VARCHAR	40						
Field Name	Field Type	Size																				
Admin_ID (pk)	INT	11																				
Admin Name	VARCHAR	40																				
Admin Password	VARCHAR	15																				
Admin Email	VARCHAR	40																				
Account	CP_Account <table><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Acoount_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>Fname</td><td>VARCHAR</td><td>45</td></tr><tr><td>Email</td><td>VARCHAR</td><td>45</td></tr><tr><td>Password</td><td>VARCHAR</td><td>45</td></tr><tr><td>Contact</td><td>INT</td><td>11</td></tr></table>	Field Name	Field Type	Size	Acoount_ID (pk)	INT	11	Fname	VARCHAR	45	Email	VARCHAR	45	Password	VARCHAR	45	Contact	INT	11			
Field Name	Field Type	Size																				
Acoount_ID (pk)	INT	11																				
Fname	VARCHAR	45																				
Email	VARCHAR	45																				
Password	VARCHAR	45																				
Contact	INT	11																				
Update Profile	CP_UpdateProfile <table><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Upd_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>Skills</td><td>VARCHAR</td><td>60</td></tr><tr><td>Contact</td><td>INT</td><td>11</td></tr><tr><td>Education</td><td>VARCHAR</td><td>60</td></tr><tr><td>Name</td><td>VARCHAR</td><td>60</td></tr><tr><td>User_ID</td><td>INT</td><td>11</td></tr></table>	Field Name	Field Type	Size	Upd_ID (pk)	INT	11	Skills	VARCHAR	60	Contact	INT	11	Education	VARCHAR	60	Name	VARCHAR	60	User_ID	INT	11
Field Name	Field Type	Size																				
Upd_ID (pk)	INT	11																				
Skills	VARCHAR	60																				
Contact	INT	11																				
Education	VARCHAR	60																				
Name	VARCHAR	60																				
User_ID	INT	11																				
Login	CP_Login <table><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Login_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>Email</td><td>VARCHAR</td><td>40</td></tr><tr><td>Password</td><td>VARCHAR</td><td>8</td></tr></table>	Field Name	Field Type	Size	Login_ID (pk)	INT	11	Email	VARCHAR	40	Password	VARCHAR	8									
Field Name	Field Type	Size																				
Login_ID (pk)	INT	11																				
Email	VARCHAR	40																				
Password	VARCHAR	8																				

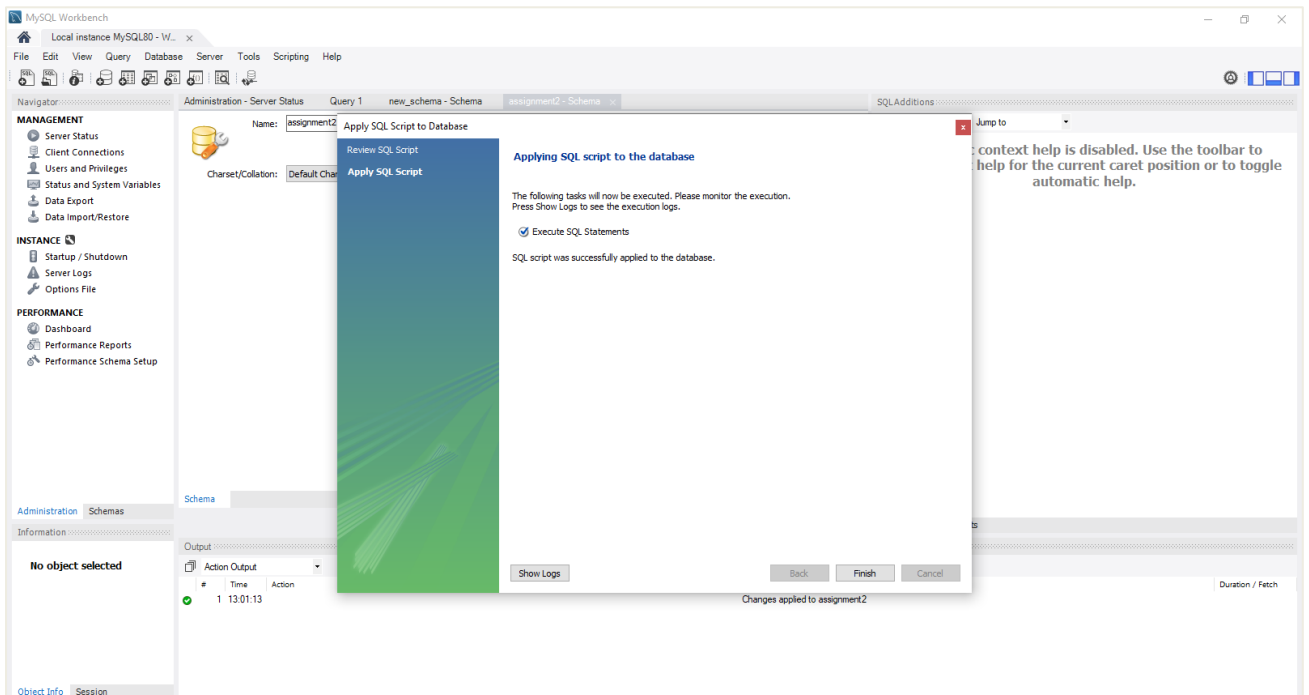
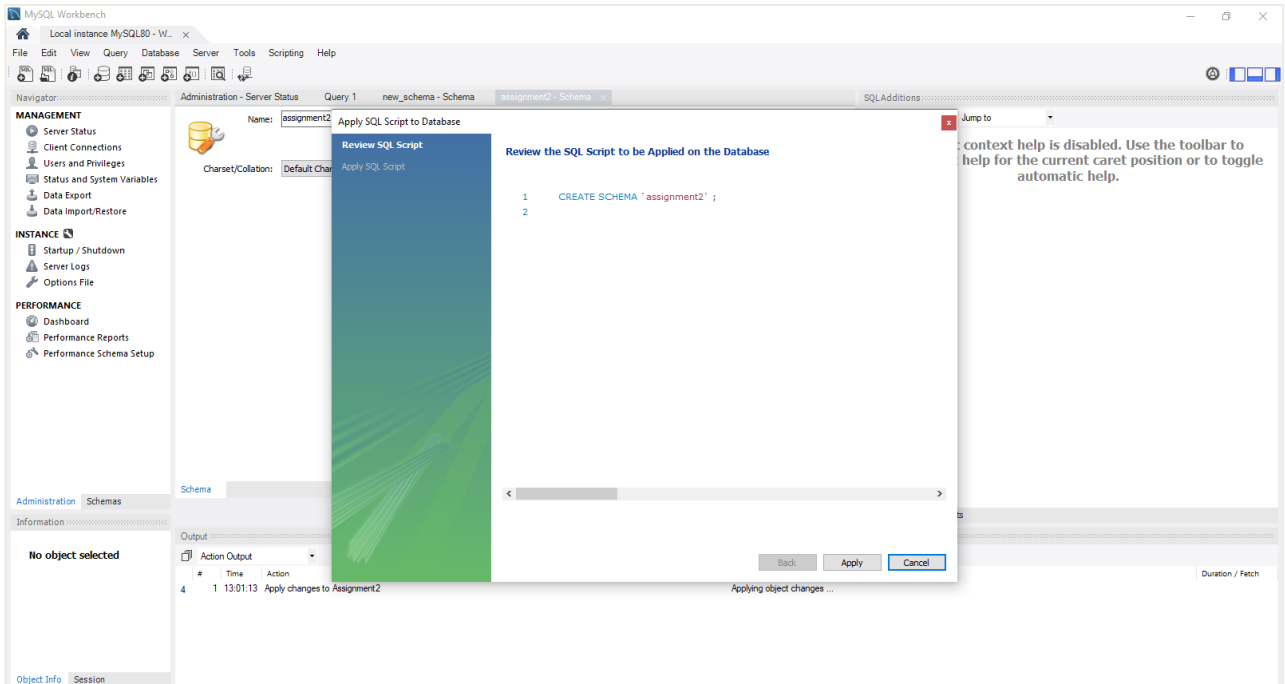
Message	CP_Message		
	Field Name	Field Type	Size
	Msg_ID (pk)	INT	11
	Sender	VARCHAR	45
	Receiver	VARCHAR	45
	User_ID	INT	11
Bulk Email	CP_BulkEmail		
	Field Name	Field Type	Size
	B_Email_ID (pk)	INT	11
	B_Email	VARCHAR	40
	Email Type	VARCHAR	8
Public Profile	CP_PublicProfile		
	Field Name	Field Type	Size
	Pro_ID (pk)	INT	11
	Name	VARCHAR	20
	Work	VARCHAR	60
	Favorite	VARCHAR	60
	Education	VARCHAR	60
	Skills	VARCHAR	60
	User_ID	INT	11
Job	CP_Job		
	Field Name	Field Type	Size
	Vacancy_ID (pk)	INT	11
	Company Name	VARCHAR	40
	Vacancy	VARCHAR	20
	Salary	INT	11
	Shift	VARCHAR	15
	User ID	INT	11

Company	<table><tr><th colspan="3">CP_Company</th></tr><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Com_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>Company Name</td><td>VARCHAR</td><td>45</td></tr><tr><td>Contact</td><td>INT</td><td>11</td></tr><tr><td>Location</td><td>VARCHAR</td><td>60</td></tr><tr><td>User_ID</td><td>INT</td><td>11</td></tr></table>	CP_Company			Field Name	Field Type	Size	Com_ID (pk)	INT	11	Company Name	VARCHAR	45	Contact	INT	11	Location	VARCHAR	60	User_ID	INT	11
CP_Company																						
Field Name	Field Type	Size																				
Com_ID (pk)	INT	11																				
Company Name	VARCHAR	45																				
Contact	INT	11																				
Location	VARCHAR	60																				
User_ID	INT	11																				
Search User	<table><tr><th colspan="3">CP_SearchUser</th></tr><tr><th>Field Name</th><th>Field Type</th><th>Size</th></tr><tr><td>Search_ID (pk)</td><td>INT</td><td>11</td></tr><tr><td>User_ID</td><td>INT</td><td>11</td></tr><tr><td>Name</td><td>VARCHAR</td><td>60</td></tr></table>	CP_SearchUser			Field Name	Field Type	Size	Search_ID (pk)	INT	11	User_ID	INT	11	Name	VARCHAR	60						
CP_SearchUser																						
Field Name	Field Type	Size																				
Search_ID (pk)	INT	11																				
User_ID	INT	11																				
Name	VARCHAR	60																				

c. Implement the database in MySQL and provide screen capture

✓ Creating Database





✓ Creating Tables

MySQL Workbench

Local instance MySQL80 - W... x MySQL Model x EER Diagram x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 newcp.sql 2 cp_user cp_admin cp_updateprofile cp_bulkemail cp_publicprofile cp_job cp_company cp_postmessage

Limit to 1000 rows

SCHEMAS

Filter objects

abc_community_portal

Tables

cp_account

cp_admin

cp_bulkemail

cp_company

cp_job

cp_login

cp_message

cp_postmessage

cp_publicprofile

cp_searchuser

cp_updateprofile

Columns

Indexes

Foreign Keys

Triggers

cp_user

Views

Stored Procedures

Functions

phpmyadmin

test

Administration Schemas

Information

Table: cp_updateprofile

Columns:

Upd_ID int(11) AI PK

Name varchar(60)

Skills varchar(60)

Education varchar(60)

Contact int(11)

User_ID int(11)

Object Info Session

```
1 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_user` (  
2   `User_ID` INT NOT NULL AUTO_INCREMENT ,  
3   `Email` VARCHAR(40) NOT NULL ,  
4   `Username` VARCHAR(15) NOT NULL,  
5  
6   PRIMARY KEY (`User_ID` ) )  
7 ENGINE = InnoDB;  
8  
9 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_login` (  
10  `Login_ID` INT NOT NULL AUTO_INCREMENT ,  
11  `Email` VARCHAR(40) NOT NULL ,  
12  `Password` VARCHAR(8) NOT NULL,  
13  `User_ID` INT NOT NULL ,  
14  
15  PRIMARY KEY (`Login_ID`),  
16  FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
17 ENGINE = InnoDB;  
18  
19 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_admin` (  
20  `Admin_ID` INT NOT NULL AUTO_INCREMENT ,  
21  `Admin Name` VARCHAR(40) NOT NULL ,  
22  `Email` VARCHAR(40) NOT NULL ,  
23  `Password` VARCHAR(8) NOT NULL,  
24  `User_ID` INT NOT NULL ,  
25  
26  PRIMARY KEY (`Admin_ID`),  
27  FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
28 ENGINE = InnoDB;  
29  
30 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_updateprofile` (  
31  `Upd_ID` INT NOT NULL AUTO_INCREMENT ,  
32  `Name` VARCHAR(60) NOT NULL ,  
33  `Skills` VARCHAR(60) NOT NULL ,  
34  `Education` VARCHAR(60) NOT NULL,  
35  `Contact` INT NOT NULL ,  
36  `User_ID` INT NOT NULL ,  
37  
38  PRIMARY KEY (`Upd_ID` ) ,  
39  FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
40 ENGINE = InnoDB;  
41  
42 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_message` (  
43  `Msg_ID` INT NOT NULL AUTO_INCREMENT ,  
44  `Sender` VARCHAR(15) NOT NULL ,  
45  `Receiver` VARCHAR(15) NOT NULL,  
46  `User_ID` INT NOT NULL ,  
47  
48  PRIMARY KEY (`Msg_ID`),  
49  FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
50 ENGINE = InnoDB;  
51  
52 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_bulkemail` (  
53  `B_Email_ID` INT NOT NULL AUTO_INCREMENT ,  
54  `B_Email` VARCHAR(40) NOT NULL ,  
55  `EmailType` VARCHAR(8) NOT NULL,  
56  `Regi_ID` INT NOT NULL ,  
57  
58  PRIMARY KEY (`B_Email_ID`),  
59  FOREIGN KEY (Regi_ID) REFERENCES cp_admin (Regi_ID))  
60 ENGINE = InnoDB;
```

Query Completed

MySQL Workbench

Local instance MySQL80 - W... x MySQL Model x EER Diagram x

File Edit View Query Database Server Tools Scripting Help

Navigator

Query 1 newcp.sql 2 cp_user cp_admin cp_updateprofile cp_bulkemail cp_publicprofile cp_job cp_company cp_postmessage

Limit to 1000 rows

SCHEMAS

Filter objects

abc_community_portal

Tables

cp_account

cp_admin

cp_bulkemail

cp_company

cp_job

cp_login

cp_message

cp_postmessage

cp_publicprofile

cp_searchuser

cp_updateprofile

Columns

Indexes

Foreign Keys

Triggers

cp_user

Views

Stored Procedures

Functions

phpmyadmin

test

Administration Schemas

Information

Table: cp_updateprofile

Columns:

Upd_ID int(11) AI PK

Name varchar(60)

Skills varchar(60)

Education varchar(60)

Contact int(11)

User_ID int(11)

Object Info Session

```
31 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_updateprofile` (  
32   `Upd_ID` INT NOT NULL AUTO_INCREMENT ,  
33   `Name` VARCHAR(60) NOT NULL ,  
34   `Skills` VARCHAR(60) NOT NULL ,  
35   `Education` VARCHAR(60) NOT NULL,  
36   `Contact` INT NOT NULL ,  
37   `User_ID` INT NOT NULL ,  
38  
39   PRIMARY KEY (`Upd_ID` ) ,  
40   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
41 ENGINE = InnoDB;  
42  
43 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_message` (  
44   `Msg_ID` INT NOT NULL AUTO_INCREMENT ,  
45   `Sender` VARCHAR(15) NOT NULL ,  
46   `Receiver` VARCHAR(15) NOT NULL,  
47   `User_ID` INT NOT NULL ,  
48  
49   PRIMARY KEY (`Msg_ID`),  
50   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))  
51 ENGINE = InnoDB;  
52  
53 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_bulkemail` (  
54   `B_Email_ID` INT NOT NULL AUTO_INCREMENT ,  
55   `B_Email` VARCHAR(40) NOT NULL ,  
56   `EmailType` VARCHAR(8) NOT NULL,  
57   `Regi_ID` INT NOT NULL ,  
58  
59   PRIMARY KEY (`B_Email_ID`),  
60   FOREIGN KEY (Regi_ID) REFERENCES cp_admin (Regi_ID))  
61 ENGINE = InnoDB;
```

Query Completed

MySQL Workbench

Local instance MySQL80 - W... x MySQL Model* x EER Diagram x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

abc_community_portal

Tables

cp_account

cp_admin

cp_bulkemail

cp_company

cp_job

cp_login

cp_message

cp_postmessage

cp_publicprofile

cp_searchuser

cp_updateprofile

Columns

Indexes

Foreign Keys

Triggers

cp_user

Views

Stored Procedures

Functions

phpmyadmin

test

Administration Schemas

Information

Table: cp_updateprofile

Columns:

Upd_ID	int(11) AI
Name	varchar(60)
Skills	varchar(60)
Education	varchar(60)
Contact	int(11)
User_ID	int(11)

Object Info Session

Query 1 newcp.sql 2 cp_user cp_admin cp_updateprofile cp_bulkemail cp_publicprofile cp_job cp_company cp_postmessage

Limit to 1000 rows

```

60 ENGINE = InnoDB;
61 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_publicprofile` (
62   `Pro_ID` INT NOT NULL AUTO_INCREMENT ,
63   `Name` VARCHAR(20) NOT NULL ,
64   `Work` VARCHAR(60) NOT NULL,
65   `Favorite` VARCHAR(60) NOT NULL,
66   `Education` VARCHAR(60) NOT NULL,
67   `Skills` VARCHAR(60) NOT NULL,
68   `User_ID` INT NOT NULL ,
69
70   PRIMARY KEY (`Pro_ID`) ,
71   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))
72 ENGINE = InnoDB;
73 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_job` (
74   `Vacany_ID` INT NOT NULL AUTO_INCREMENT ,
75   `CompanyName` VARCHAR(40) NOT NULL ,
76   `Vacancy` VARCHAR(8) NOT NULL,
77   `Salary` INT NOT NULL,
78   `Shift` VARCHAR(8) NOT NULL,
79   `User_ID` INT NOT NULL ,
80
81   PRIMARY KEY (`Vacany_ID`),
82   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))
83 ENGINE = InnoDB;
84 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_company` (
85   `Com_ID` INT NOT NULL AUTO_INCREMENT ,
86   `Company Name` VARCHAR(40) NOT NULL ,
87   `Contact` INT(11) NOT NULL,
88   `Location` VARCHAR(60) NOT NULL,
89   `User_ID` INT NOT NULL ,

```

Output

MySQL Workbench

Local instance MySQL80 - W... x MySQL Model* x EER Diagram x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

abc_community_portal

Tables

cp_account

cp_admin

cp_bulkemail

cp_company

cp_job

cp_login

cp_message

cp_postmessage

cp_publicprofile

cp_searchuser

cp_updateprofile

Columns

Indexes

Foreign Keys

Triggers

cp_user

Views

Stored Procedures

Functions

phpmyadmin

test

Administration Schemas

Information

Table: cp_updateprofile

Columns:

Upd_ID	int(11) AI
Name	varchar(60)
Skills	varchar(60)
Education	varchar(60)
Contact	int(11)
User_ID	int(11)

Object Info Session

Query 1 newcp.sql 2 cp_user cp_admin cp_updateprofile cp_bulkemail cp_publicprofile cp_job cp_company cp_postmessage

Limit to 1000 rows

```

91   PRIMARY KEY (`Com_ID`) ,
92   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))
93 ENGINE = InnoDB;
94 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_account` (
95   `Regi_ID` INT NOT NULL AUTO_INCREMENT ,
96   `Fname` VARCHAR(40) NOT NULL ,
97   `Email` VARCHAR(40) NOT NULL,
98   `Password` VARCHAR(8) NOT NULL,
99   `Contact` INT(11) NOT NULL,
100  `User_ID` INT NOT NULL,
101
102  PRIMARY KEY (`Regi_ID`) ,
103  FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))
104 ENGINE = InnoDB;
105 ENGINE = InnoDB;
106 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_postmessage` (
107   `postmessage_ID` INT NOT NULL AUTO_INCREMENT ,
108   `Content` VARCHAR(40) NOT NULL ,
109   `Post date` VARCHAR(8) NOT NULL,
110   `User_ID` INT NOT NULL ,
111
112   PRIMARY KEY (`postmessage_ID`),
113   FOREIGN KEY (User_ID) REFERENCES cp_user(User_ID))
114 ENGINE = InnoDB;
115 CREATE TABLE IF NOT EXISTS `abc_community_portal`.`cp_searchuser` (
116   `search_ID` INT NOT NULL AUTO_INCREMENT ,
117   `Name` VARCHAR(8) NULL,
118   `User_ID` INT NOT NULL ,
119
120   PRIMARY KEY (`search_ID`) ,

```

Output

1. CP_User

	User_ID	Email	Username
	1	chathu@gmail.com	chathu123
	2	dil@gmail.com	dil345
...	3	kara7@gmail.com	karaa55
*	NULL	NULL	NULL

2. CP_Admin

	Admin_ID	Admin Name	Email	Password
	1	chathu	chathu@gmail.com	sdf5HG4
	2	dil	dil@gmail.com	hkgt788df
...	3	kara	kara7@gmail.com	kgD6Jgd8
*	NULL	NULL	NULL	NULL

3. CP_Account



	Regi_ID	Fname	Email	Password	Contact	User_ID
	1	Chathu Dil	chathu@gmail.com	asd45F6G	0742269976	1
	2	Ashley Fdo	ashley@gmail.com	H5F7s5F	0740528233	2
...	3	Kevin Leo	kevin9@gmail.com	KDF678ad	0713800289	3
*	NULL	NULL	NULL	NULL	NULL	NULL

4. CP_Updateprofile

	Upd_ID	Name	Skills	Education	Contact	User_ID
	1	chathu	Flexible	Lithan Academy	0742269976	1
	2	Dil	Good Judgment	Stanford University	0760528233	2
...	3	Kara	Leadership skills, Honesty	Virtusa	0713800289	3
*	NULL	NULL	NULL	NULL	NULL	NULL

5. CP_Login

Result Grid





Filter Rows:

Edit

	Login_ID	Email	Password ▲	User_ID
	1	chathu@gmail.com	wefdr56GFd	1
	2	dil@gmail.com	567fgD5s	2
...	3	kara7@gmaul.com	MF6srNTHJ]	3
*	NULL	NULL	NULL	NULL

6. CP_Message

Result Grid






Filter Rows:

	Msg_ID	Sender	Reciver	User_ID
	1	chathu	nethu	1
	2	dil	ashley	2
...	3	kevin	kevin	3
*	NULL	NULL	NULL	NULL



7. CP_BulkEmail

Result Grid

Filter Rows:

Edit:

	B_Email_ID	B_Email	EmailType	Regi_ID
	1	chathu@gmail.com	gmail	1
	2	dil@gmail.com	gmail	2
	3	kara7@gmail.com	gmail	3
	NULL	NULL	NULL	NULL

8. CP_PublicProfile

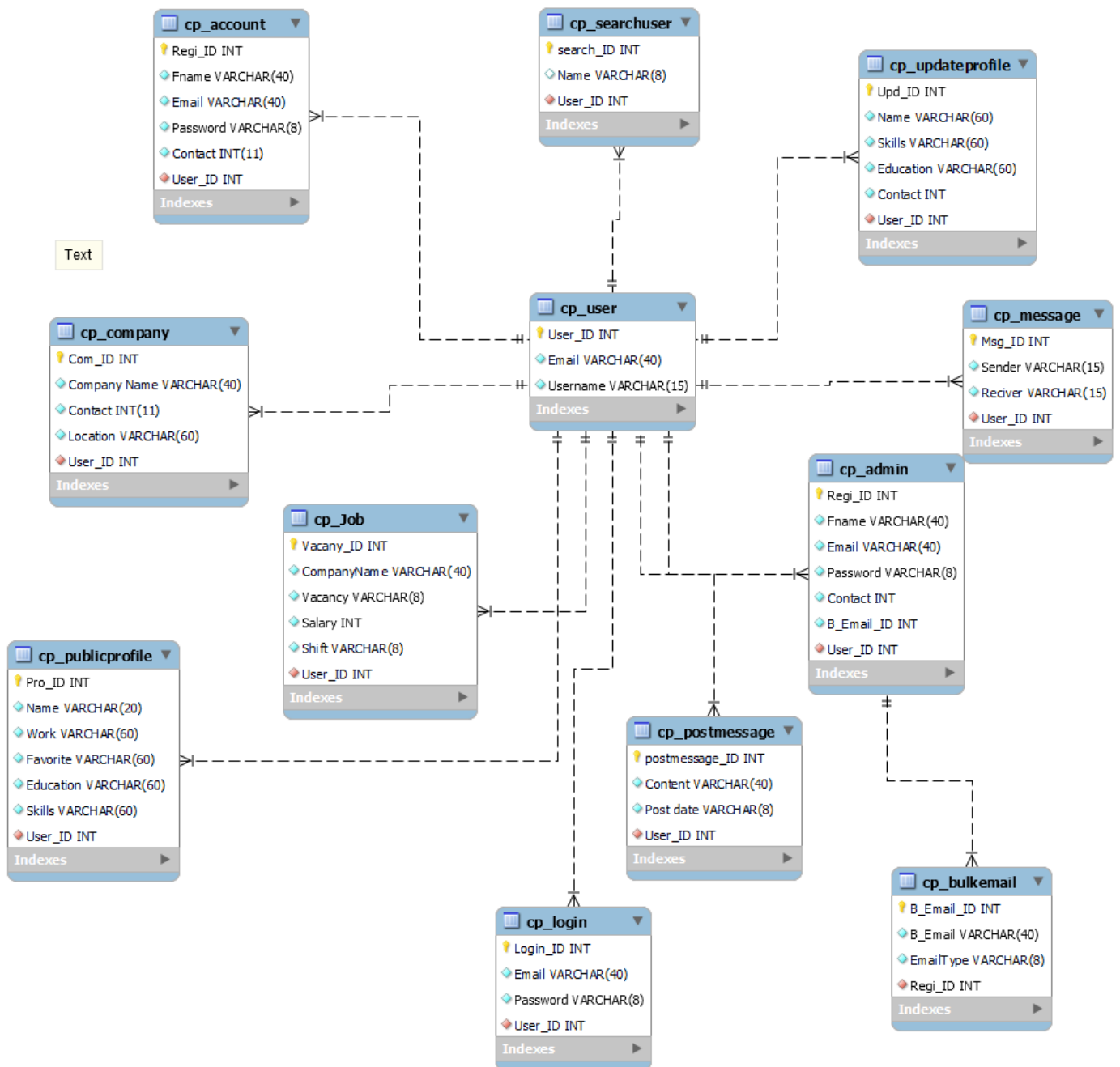
[illegible]

9. CP_Job

Result Grid						
		Filter Rows:		Edit:		Export/Import
	Vacancy_ID	CompanyName	Vacancy	Salary	Shift	User_ID
	1	Corella	Software Engineer	98000	Closing	1
	2	S&S Sons	Manager	67800	Mornig	2
...	3	CDJ	Web Developer	5000	Split	3
*	NULL	NULL	NULL	NULL	NULL	NULL

10. CP_Company

Result Grid					
		Filter Rows:		Edit:	
	Com_ID	Company Name	Contact	Location	User_ID
	1	Virtusa	0742269976	12/09 Bandarawela	1
	2	CEB	0760528233	4/7 Sunflower road	2
...	3	S&S Sons	0713800289	77/B Kandy	3
*	NULL	NULL	NULL	NULL	NULL



- d. **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)**

```
C:\Users\PC>mysql -uroot -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 24
Server version: 10.4.24-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| abc_community_portal |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.001 sec)

MariaDB [(none)]> use mysql;
Database changed
MariaDB [mysql]> select user from user;
+-----+
| User |
+-----+
| root |
| root |
| TB |
| abc |
| pma |
| root |
+-----+
6 rows in set (0.001 sec)

MariaDB [mysql]> CREATE USER 'chathu'@'localhost' IDENTIFIED BY '123456';
Query OK, 0 rows affected (0.070 sec)

MariaDB [mysql]> select user from user;
+-----+
| User |
+-----+
| root |
| root |
| TB |
| abc |
| chathu |
| pma |
| root |
+-----+
7 rows in set (0.001 sec)

MariaDB [mysql]> GRANT ALL PRIVILEGES ON bdse04 . * TO 'chathu'@'localhost';
Query OK, 0 rows affected (0.029 sec)

MariaDB [mysql]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [mysql]> REVOKE ALL PRIVILEGES ON * . * FROM 'chathu'@'localhost';
Query OK, 0 rows affected (0.023 sec)

MariaDB [mysql]> DROP USER 'chathu'@'localhost';
Query OK, 0 rows affected (0.150 sec)

MariaDB [mysql]> show databases;
+-----+
| Database |
+-----+
| abc_community_portal |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.001 sec)

MariaDB [mysql]>
```

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

S.no	Page Name	Query
1	User	INSERT INTO `abc_community_portal`.`cp_user` (`User_ID`, `Email`, `Username`) VALUES ('1', 'chathu@gmail.com', 'chathu123'); INSERT INTO `abc_community_portal`.`cp_user` (`User_ID`, `Email`, `Username`) VALUES ('2', 'dil@gmail.com', 'dil345'); INSERT INTO `abc_community_portal`.`cp_user` (`User_ID`, `Email`, `Username`) VALUES ('3', 'kara7@gmail.com', 'karaa55');
2	Admin	INSERT INTO `abc_community_portal`.`cp_admin` (`Admin_ID`, `Admin Name`, `Email`, `Password`) VALUES ('1', 'chathu', 'chathu@gmail.com', 'sdr5HG4'); INSERT INTO `abc_community_portal`.`cp_admin` (`Admin_ID`, `Admin Name`, `Email`, `Password`) VALUES ('2', 'dil', 'dil@gmail.com', 'hkg788df'); INSERT INTO `abc_community_portal`.`cp_admin` (`Admin_ID`, `Admin Name`, `Email`, `Password`) VALUES ('3', 'kara', 'kara7@gmail.com', 'kgD6Jgd8');
3	Account	INSERT INTO `abc_community_portal`.`cp_account` (`Regi_ID`, `Fname`, `Email`, `Password`, `Contact`, `User_ID`) VALUES ('1', 'Chathu Dil', 'chathu@gmail.com', 'asd45F6G', '0742269976', '1'); INSERT INTO `abc_community_portal`.`cp_account` (`Regi_ID`, `Fname`, `Email`, `Password`, `Contact`, `User_ID`) VALUES ('2', 'Ashley Fdo', 'ashley@gmail.com', 'H5F7s5F', '0740528233', '2'); INSERT INTO `abc_community_portal`.`cp_account` (`Regi_ID`, `Fname`, `Email`, `Password`, `Contact`, `User_ID`) VALUES ('3', 'Kevin Leo', 'kevin9@gmail.com', 'KDF678ad', '0713800289', '3');
4	Update Profile	INSERT INTO `abc_community_portal`.`cp_updateprofile` (`Upd_ID`, `Name`, `Skills`, `Education`, `Contact`, `User_ID`) VALUES ('1', 'chathu', 'Flexible', 'Lithan Academy', '0742269976', '1'); INSERT INTO `abc_community_portal`.`cp_updateprofile` (`Upd_ID`, `Name`, `Skills`, `Education`, `Contact`, `User_ID`) VALUES ('2', 'Dil', 'Good Judgment', 'Stanford University', '0760528233', '2'); INSERT INTO `abc_community_portal`.`cp_updateprofile` (`Upd_ID`, `Name`, `Skills`, `Education`, `Contact`, `User_ID`) VALUES ('3', 'Kara', 'Leadership skills, Honesty', 'Virtusa', '0713800289', '3');
5	Login	INSERT INTO `abc_community_portal`.`cp_login` (`Login_ID`, `Email`, `Password`, `User_ID`) VALUES ('1', 'chathu@gmail.com', 'wefdr56GFd', '1'); INSERT INTO `abc_community_portal`.`cp_login` (`Login_ID`, `Email`, `Password`, `User_ID`) VALUES ('2', 'dil@gmail.com', '567fgD5s', '2'); INSERT INTO `abc_community_portal`.`cp_login` (`Login_ID`, `Email`, `Password`, `User_ID`) VALUES ('3', 'kara7@gmail.com', 'MF6srNTHJ', '3');
6	Message	INSERT INTO `abc_community_portal`.`cp_message`

		<pre>(`Msg_ID`,`Sender`,`Reciver`,`User_ID`) VALUES ('1', 'chathu','nethu','1'); INSERT INTO `abc_community_portal`.`cp_message` (`Msg_ID`,`Sender`,`Reciver`,`User_ID`) VALUES ('2', 'dil','ashley','2'); INSERT INTO `abc_community_portal`.`cp_message` (`Msg_ID`,`Sender`,`Reciver`,`User_ID`) VALUES ('3', 'kevin','kevin','3');</pre>
7	Bulk Email	<pre>INSERT INTO `abc_community_portal`.`cp_bulkemail` (`B_Email_ID`,`B_Email`,`EmailType`,`Regi_ID`) VALUES ('1','chathu@gmail.com','gmail','1'); INSERT INTO `abc_community_portal`.`cp_bulkemail` (`B_Email_ID`,`B_Email`,`EmailType`,`Regi_ID`) VALUES ('2','dil@gmail.com','gmail','2'); INSERT INTO `abc_community_portal`.`cp_bulkemail` (`B_Email_ID`,`B_Email`,`EmailType`,`Regi_ID`) VALUES ('3','kara7@gmail.com','gmail','3');</pre>
8	Public Profile	<pre>INSERT INTO `abc_community_portal`.`cp_publicprofile` (`Pro_ID`,`Name`,`Work`,`Favorite`,`Education`,` `Skills`,`User_ID`) VALUES ('1','chathu','CEB','Foods, Music','Lithan Acedemy','Flexible','1'); INSERT INTO `abc_community_portal`.`cp_publicprofile` (`Pro_ID`,`Name`,`Work`,`Favorite`,`Education`,` `Skills`,`User_ID`) VALUES ('2','dil','Telecome','Travelling', 'Virtusa','Leadership skills','2'); INSERT INTO `abc_community_portal`.`cp_publicprofile` (`Pro_ID`,`Name`,`Work`,`Favorite`,`Education`,` `Skills`,`User_ID`) VALUES ('3','kara','CDJ Bank','Fashion', 'Stanforn univercity','good judgment','3'); INSERT INTO `abc_community_portal`.`cp_publicprofile` (`User_ID`) VALUES ('');</pre>
9	Job	<pre>INSERT INTO `abc_community_portal`.`cp_job` (`Vacany_ID`,`CompanyName`,`Vacancy`,`Salary`,` `Shift`,`User_ID`) VALUES ('1','Corella','Software Engineer', '98000','Closing','1'); INSERT INTO `abc_community_portal`.`cp_job` (`Vacany_ID`,`CompanyName`,`Vacancy`,`Salary`,` `Shift`,`User_ID`) VALUES ('2','S&S Sons','Manager', '67800','Mornig','2'); INSERT INTO `abc_community_portal`.`cp_job` (`Vacany_ID`,`CompanyName`,`Vacancy`,`Salary`,` `Shift`,`User_ID`) VALUES ('3','CDJ','Web Developer', '5000','Split','3');</pre>
10	Company	<pre>INSERT INTO `abc_community_portal`.`cp_company` (`Com_ID`,`Company Name`,`Contact`,`Location`,` `User_ID`) VALUES ('1','Virtusa','0742269976','12/09 Bandarawela','1'); INSERT INTO `abc_community_portal`.`cp_company` (`Com_ID`,`Company Name`,`Contact`,`Location`,` `User_ID`) VALUES ('2','CEB','0760528233','4/7 Sunflower road','2'); INSERT INTO `abc_community_portal`.`cp_company` (`Com_ID`,`Company Name`,`Contact`,`Location`,` `User_ID`) VALUES ('3','S&S Sons','0713800289','77/B Kandy','3');</pre>