

## Chapter 3

### System Analysis

#### 3.1 Study of Current System and Requirement of this System

##### i) Hardware

Sr. no.	Hardware	Specifications
1	Processor	2.10 GHz
2	RAM	4 GB
3	ROM	Min. 30 GB HDD

##### ii) Software:

Sr. no.	Software	Specification
1	Browser	Any browser
2	Eclipse	Version: 2021-12 (4.22.0)
3	Visual Studio	Version 1.66.2
4	MYSQL Workbranch	Version 8.0.27

## 3.2 Data Dictionary

### i) login\_user\_details

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'exam' selected. The 'Tables' list under 'exam' includes 'courses', 'courses\_details', 'chat\_details', 'login\_user\_details', 'product\_details', 'trainer\_admin', 'trainer\_details', and 'trainer\_user'. The 'login\_user\_details' table is selected. The SQL editor shows the following queries:

```
1 * use exam;
2 * describe login_user_details;
```

The 'Results' pane displays the table structure:

Field	Type	Null	Key	Default	Extra
Username	varchar(45)	YES			
Email	varchar(60)	YES			
Password	varchar(45)	YES			
Security_Key	varchar(45)	NO			
Profile	varchar(45)	YES			

### ii) courses

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'exam' selected. The 'Tables' list under 'exam' includes 'courses', 'courses\_details', 'chat\_details', 'login\_user\_details', 'product\_details', 'trainer\_admin', 'trainer\_details', and 'trainer\_user'. The 'courses' table is selected. The SQL editor shows the following query:

```
1 describe course;
```

The 'Results' pane displays the table structure:

Field	Type	Null	Key	Default	Extra
Email	varchar(30)	YES			
course_name	varchar(30)	YES			
Amount	varchar(30)	NO			

### iii) diet\_details

A screenshot of the MySQL Workbench interface. The left sidebar shows a tree view of databases, with 'used' expanded and 'diet\_details' selected. The central SQL editor contains two queries: `1 * use used;` and `2 * describe diet_details;`. The 'Results' pane at the bottom displays the table structure for 'diet\_details'.

Field	Type	Null	Key	Default	Extra
Diet_Name	varchar(10)	YES			
Descriptions	varchar(255)	YES			

### iv) courses\_details

A screenshot of the MySQL Workbench interface. The left sidebar shows a tree view of databases, with 'used' expanded and 'courses\_details' selected. The central SQL editor contains two queries: `1 * use used;` and `2 * describe courses_details;`. The 'Results' pane at the bottom displays the table structure for 'courses\_details'.

Field	Type	Null	Key	Default	Extra
Course_Name	varchar(30)	YES			
Course_Desc	varchar(555)	YES			
Course_Link	varchar(555)	YES			
Course_Price	varchar(45)	YES			

## v) user\_feedback

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, with 'ued' selected. The 'Tables' pane under 'ued' lists several tables, including 'user\_feedback'. The main editor window contains the following SQL queries:

```
1 * use ued;
2 * describe user_feedback;
```

The 'Results Grid' displays the structure of the 'user\_feedback' table:

Field	Type	Null	Key	Default	Extra
Name	varchar(45)	YES			
Email	varchar(45)	YES			
Comment	varchar(255)	YES			

## vi) product\_details

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, with 'ued' selected. The 'Tables' pane under 'ued' lists several tables, including 'product\_details'. The main editor window contains the following SQL query:

```
1 * describe ued.product_details;
```

The 'Results Grid' displays the structure of the 'product\_details' table:

Field	Type	Null	Key	Default	Extra
Product_Link	varchar(550)	YES			
Product_Photo	varchar(550)	YES			
Product_Desc	varchar(550)	YES			

Below the 'Results Grid', the 'Table: trainer\_user' structure is also visible:

Column	Type
U_Name	varchar(45)
U_Email	varchar(45)
T_Name	varchar(45)
T_Specialist	varchar(45)
Meeting_D	date
Subject	varchar(45)
Time	varchar(30)
M_Link	varchar(550)

## vii) trainer\_details

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, with 'ued' selected. Under 'ued', the 'Tables' list includes 'trainer\_details'. The SQL editor at the top contains the following queries:

```
1 * use ued;
2 * describe trainer_details;
```

The 'Results' pane at the bottom displays the structure of the 'trainer\_details' table:

Field	Type	Null	Key	Default	Extra
Name	varchar(45)	YES			
Email	varchar(45)	YES			
Specialist	varchar(55)	YES			
Mobile_Number	varchar(15)	YES			
Achievement	varchar(30)	YES			

## viii) trainer\_admin

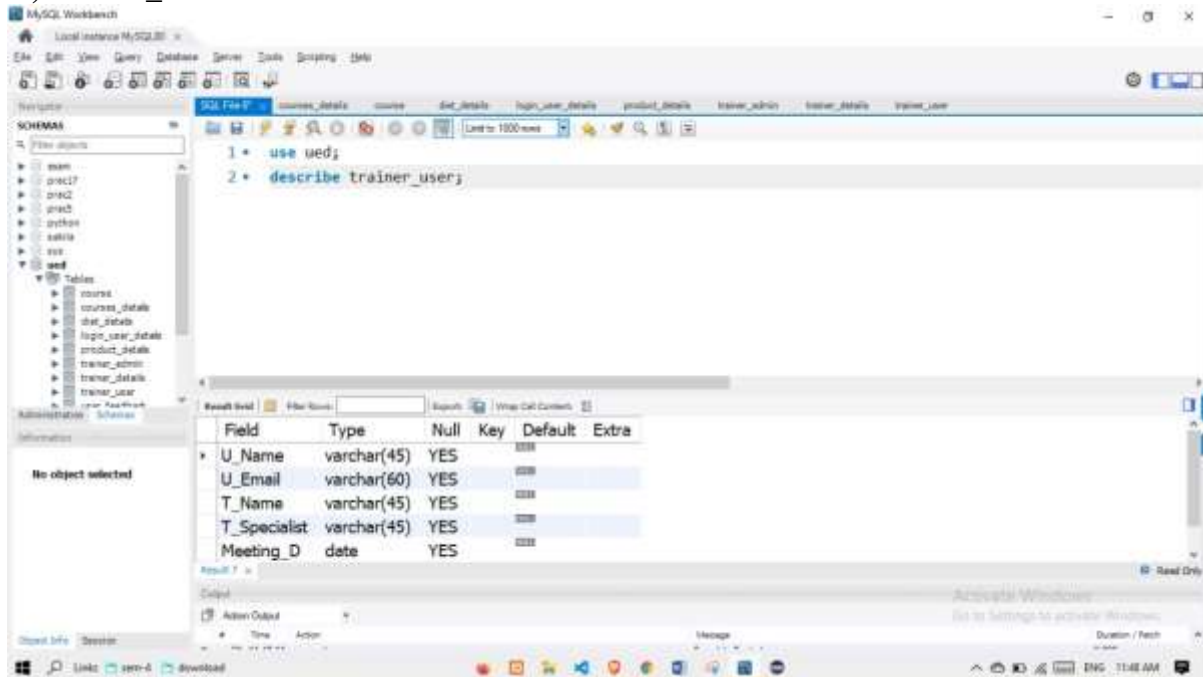
The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists various databases, with 'ued' selected. Under 'ued', the 'Tables' list includes 'trainer\_admin'. The SQL editor at the top contains the following queries:

```
1 * use ued;
2 * describe trainer_admin;
```

The 'Results' pane at the bottom displays the structure of the 'trainer\_admin' table:

Field	Type	Null	Key	Default	Extra
Specialist	varchar(45)	YES			

### ix) trainer\_user



## 3.3 Modules and Their Description of System

### 1. login\_user\_detail

- Username : User name of user
- Email : Email id of user
- Password : Password created by user
- Security key : security key provided by user at time of signup
- Profile : user is trainer, admin, or customer
- Gender

### 2. courses

- Email : email id of customer
- Course name : course name which he/she purchasing
- Amount : amount of course he is purchasing

### 3. diet\_detail

- Diet name : name of diet plan trainer is adding
- Description : description of diet plan trainer is adding

### 4. courses\_details

- Course name : Name of Course
- Course description : Description of Course which is added by trainer
- Course Photo link : Course Photo link which is provided by Trainer
- Course price : Price of Course

### 5. user\_feedback

- Name : Name of User which giving feedback to us

- b. Email : Email of User
- c. Comment : Their comment about our website

**6. product\_details**

- a. Product link : Product link which is provided by Trainer
- b. Product photo link : Product Photo link which is provided by Trainer
- c. Description : Description of Product

**7. trainer\_details**

- a. Name : Name of trainer
- b. Email : Email of trainer for contact purpose
- c. Specialist : Specialty of trainer in particular field
- d. Mobile number : Contact number
- e. Achievement : Achievement of trainer if any

**8. trainer\_admin**

- a. Specialist : Specialty of trainer decided by admin which is delivered to users

**9. trainer\_user**

- a. U\_name : User name
- b. U\_email : Email of user
- c. T\_name : Trainer name
- d. T\_Specialist : Dpecialty of trainer
- e. Meeting\_D : Meeting date