User Experience Design Project

Report

On

GYM MANAGEMENT SYSTEM

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Guided By: -

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Submitted to

Department of Computer Science & Engineering

Institute of Computer Technology

Year: 2022

CERTIFICATE

This is to certify that the **User Experience Design** Project work entitled **"GYM MANAGEMENT SYSTEM"** by Nirmal Kushwah (20162121012), Nitish Kumar Sharma (20162121013), Viranshu Paruparla (20162121014) of Ganpat University, towards the partial fulfillment of requirements of the degree of Bachelor of Technology – Computer Science and Engineering, carried out by them in the CSE(CBA/BDA/CS). The results/findings contained in this Project have not been submitted in part or full to any other University / Institute for award of any other Degree/Diploma.

Name & Signature of Guide

Name & Signature of Head

Place: ICT - GUNI

Date : -

ACKNOWLEDGEMENT

In the accomplishment of completion of our project on **GYM MANAGEMENT SYSTEM** we would like to convey our special gratitude to **Prof. Bhavesh Jain**, and as well as **Dr. Hemal Shah (principal)** and **Prof. Dharmesh Darji (Head CSE department)** of Institute of Computer Technology, Ganpat University. Your valuable guidance and suggestions helped us in various phases of the completion of this project. We will always be thankful to you in this regard.

We are ensuring that this project was finished by us and not copied.

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ABSTRACT

In many Gyms, the payment receipts are in paper format. So it is very difficult for both gym members to keep all the paper receipts safely and to gym trainer to keep reminding for the fee receipts. Sometimes it creates a trouble when members lost their receipts. The other problem that can be faced by a gym owner is that if he/she wants to inform any message related to working or non-working days of gym, manually sending message become difficult. If there is online application available these problems can be solved.

So, we are developing an web application to overcome some of these issues. So this project can be helpful for both gym owner as well as for gym members. In this application all receipts are store in a digital format, so there are no issues of losing any confidential receipts. This application will also notify the user (gym members) about their fees and also notifies the gym owner about the payment clearance. This application in future can be elaborated by providing supplement store, diet information, personal training etc.

TABLE OF CONTENT

Chapter 1
Introduction

1.1 Project Summary

This project is about all about to convert offline work of gym to online platform. All tedious paper work is shifted to online in our web application. On our web application user can buy courses, membership etc.

We provide paid courses, memberships, Exercise related information, gym related equipment etc. To avail all these facilities of user has to login first or if user does not have account then user has to create account and then user can use all these facilities. We are providing several courses like yoga, weight-lifting, thigh exercise, pushups and many more.

In this we are also providing products related to gym. For that user has to choose particular product then he/she will be redirected to particular ecommerce website on which best product is already filtered out which user can buy. After that user can give their feedback and they can contact with us from contact us page through email, messaging or any other social media platform we have provided.

1.2 Project Scope

- Available as web application.
- Storing information of members, employees.
- Check validity of information provided by user.
- Storing information of members according to their id.
- Generating reports for different id

1.3 Objective

- What was gym management system project Problem?
  - Existing system was manual.
  - Time consuming as data entry which include calculations took lot of time.
  - Searching was very complex as there could be 100's of entry every year.
  - Proposed system is expected to be faster than project existing system.
  - Data redundancy is also a big issue in such kind of system. "Redundancy" means repetition; thus data modified or updated at a particular place may not be modified or

updated at related place which may create inconsistencies in data handling, destroys data integrity and creates confusion for owner.

- Searching a particular data specific to particular requirements is also very tedious in such system. In order to retrieve records, responsible person needs to manually locate appropriate register and locate appropriate placement of that particular record which may be very time consuming.

1.4 Literature Review/Background Study

Following are the steps taken during the initial study:

- Initially, we collected all the information, which they wanted to store.
- Then we studied the working of the current system which is done manually. We noted the limitation of that system which motivated them to have new system.
- With the help of these documents we got basic ideas about the system as well as input output of the developed system.
- The most important thing is to study system thoroughly. Here we are studying both existing system and proposed system so that advantages & disadvantages of both the systems can be understood

Chapter 2

System Requirement Study

2.1 Hardware and Software Characteristics

i) Hardware

Sr. no.	Hardware	Specifications
1	Device	PC, Smartphones with good internet speed
2	RAM	4 Gb
3	HDD	Minimum 30 GB space

ii) Software :

Sr. no.	Software	Specification
1	Browser	Any browser

Chapter 3

System Analysis

3.1 Study of Current System and Requirement of this System

i) Hardware

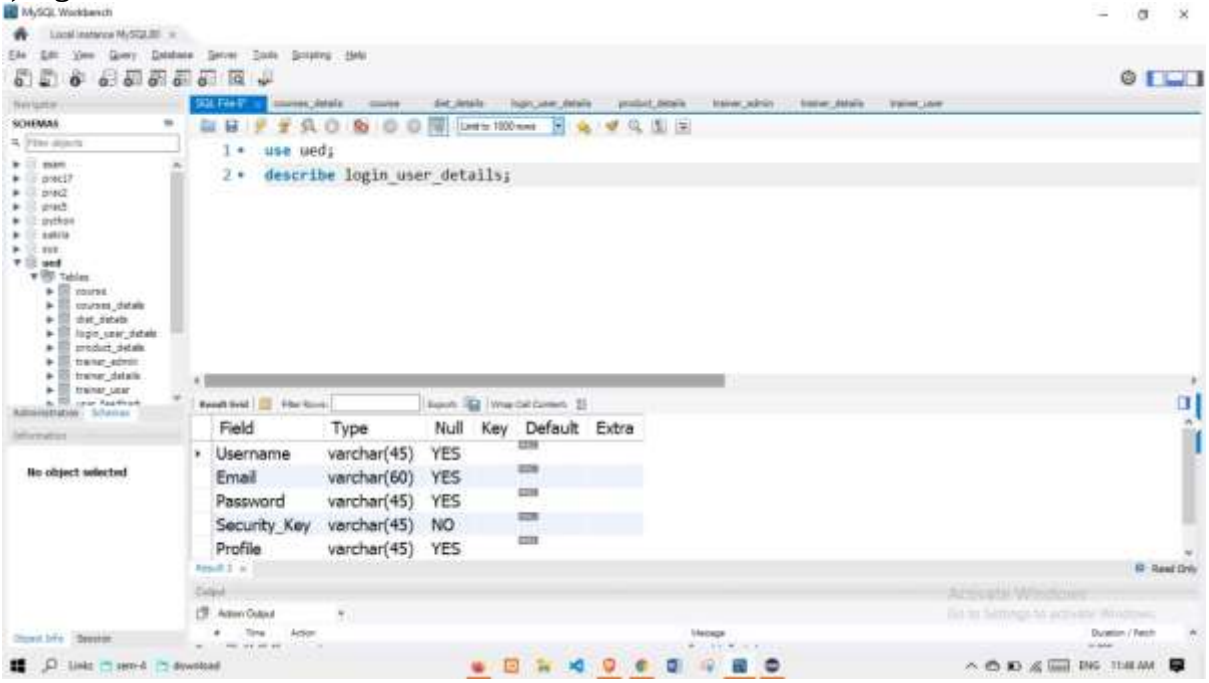
Sr. no.	Hardware	Specifications
1	Processor	2.10 GHz
2	RAM	4 GB
3	ROM	Min. 30 GB HDD

ii) Software:

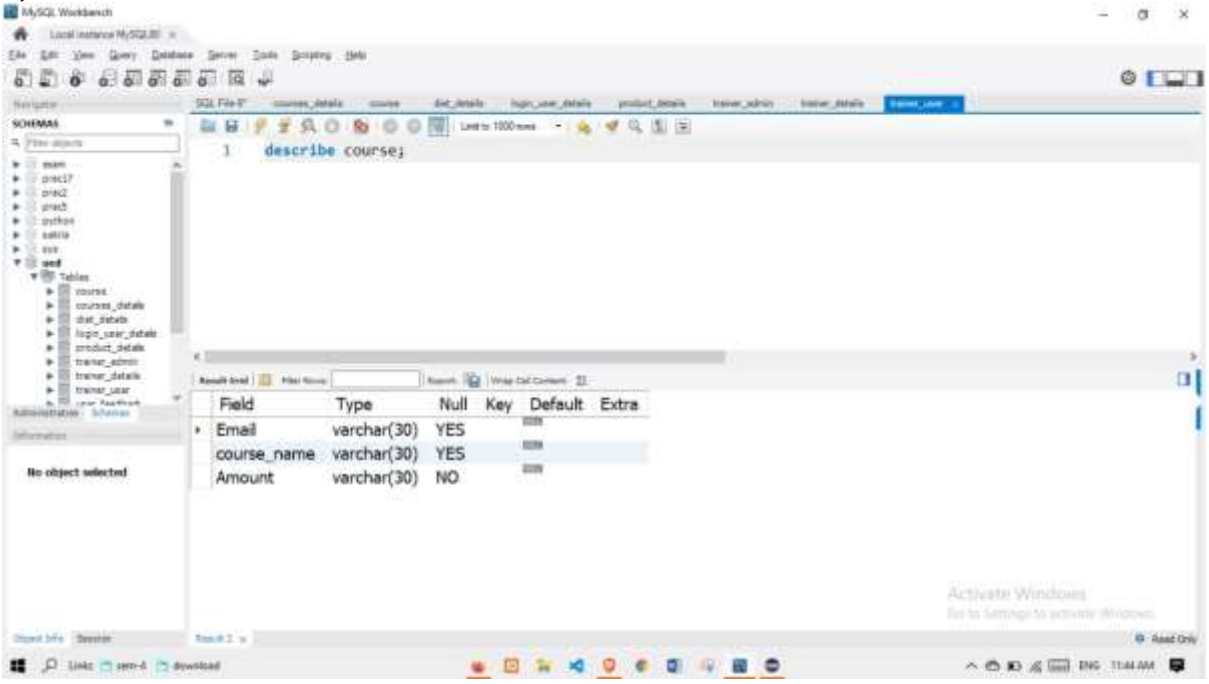
Sr. no.	Software	Specification
1	Browser	Any browser
2	Eclipse	Version: 2021-12 (4.22.0)
3	Visual Studio	Version 1.66.2
4	MYSQL Workbranch	Version 8.0.27

3.2 Data Dictionary

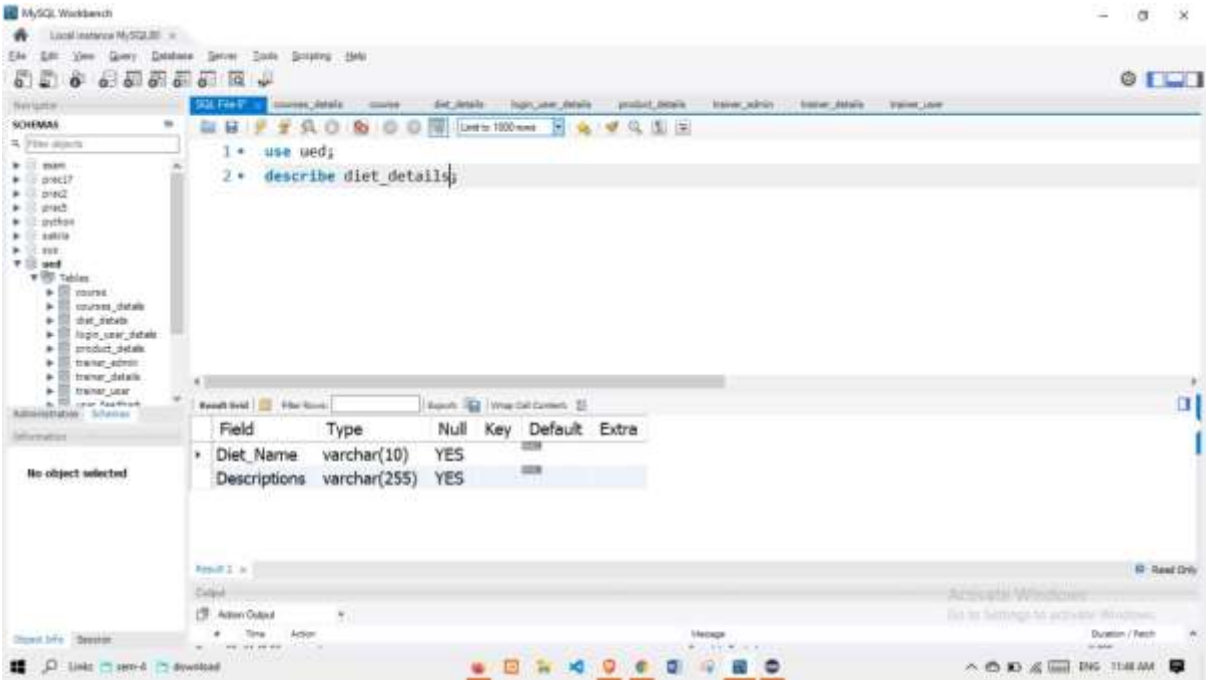
i) login_user_details



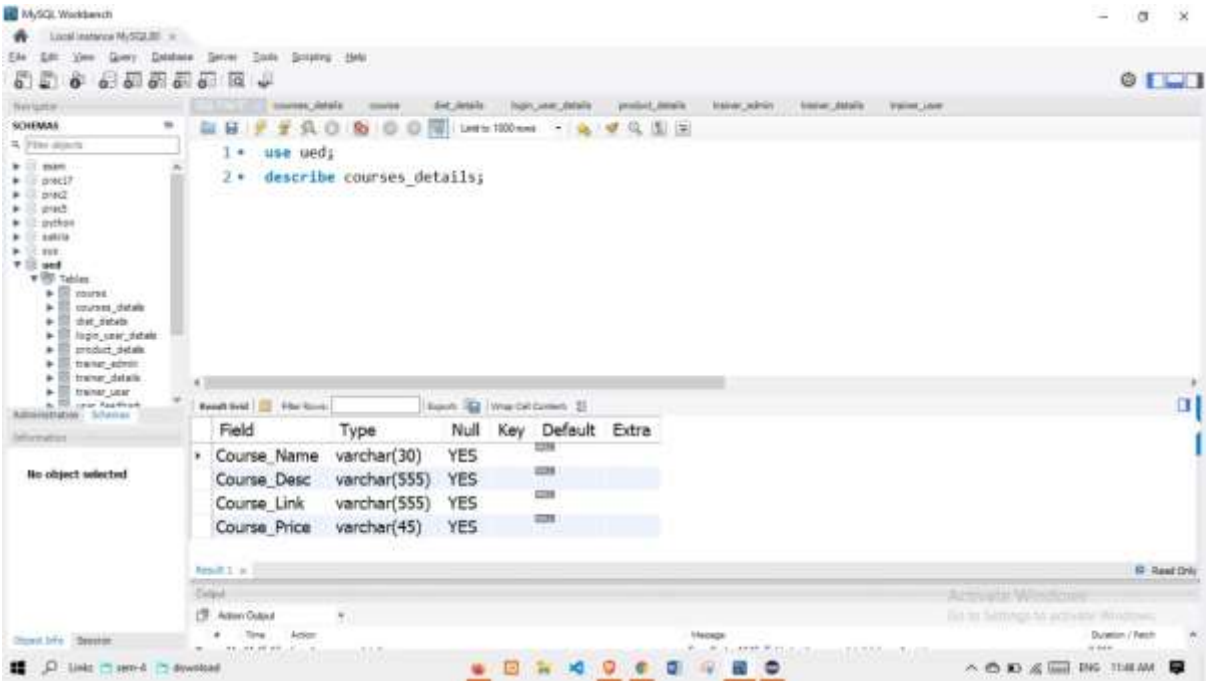
ii) courses



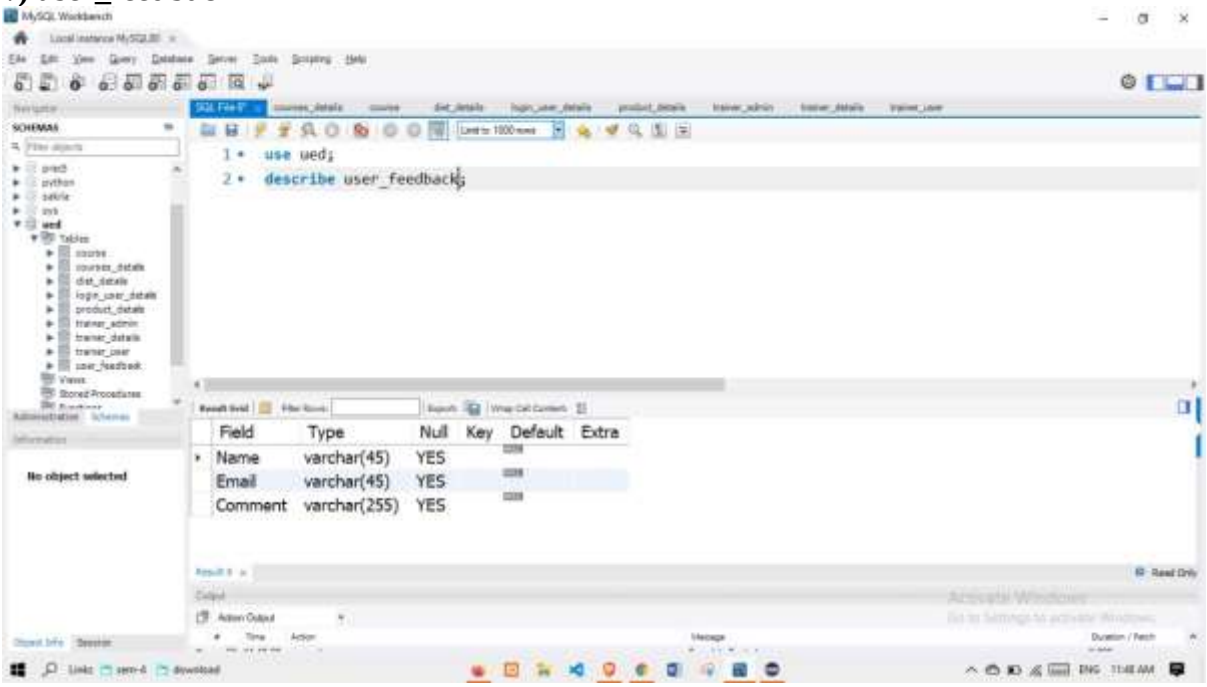
iii) diet_details



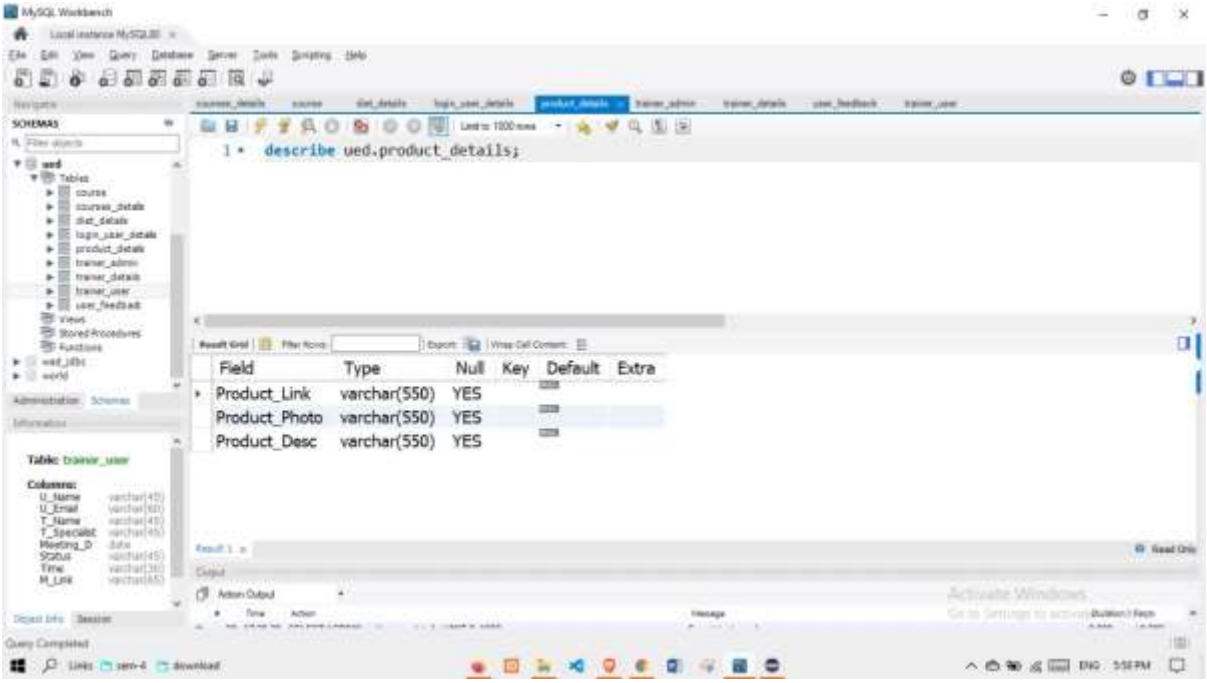
iv) courses_details



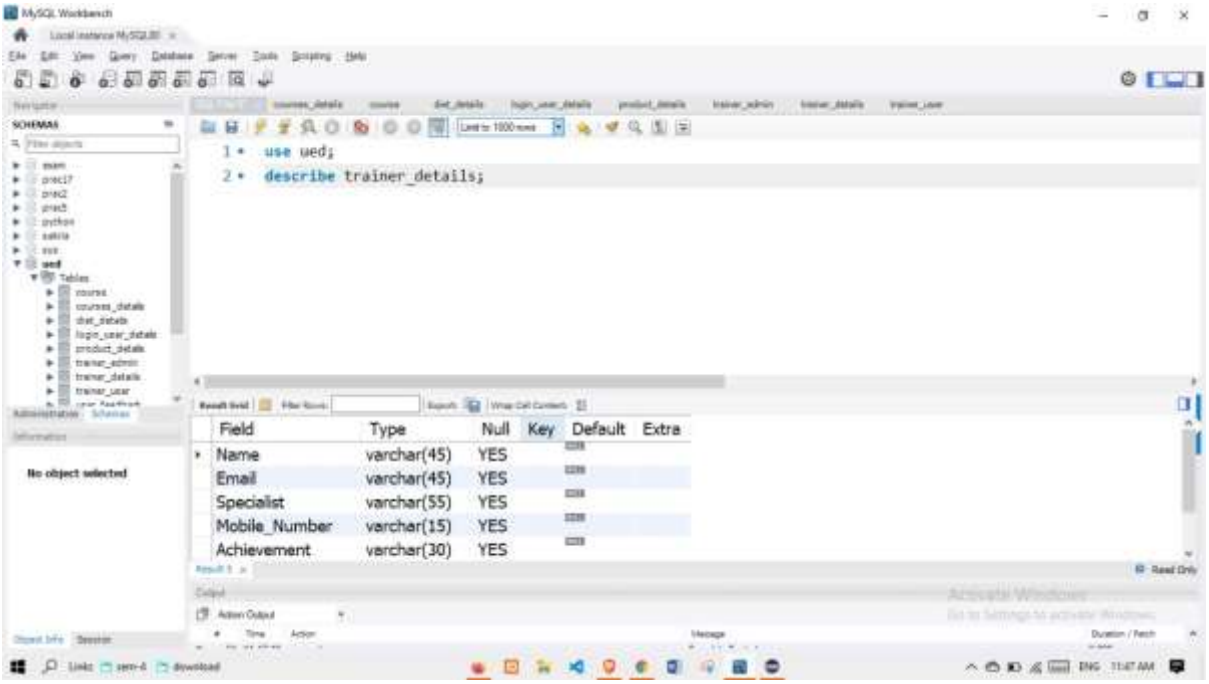
v) user_feedback



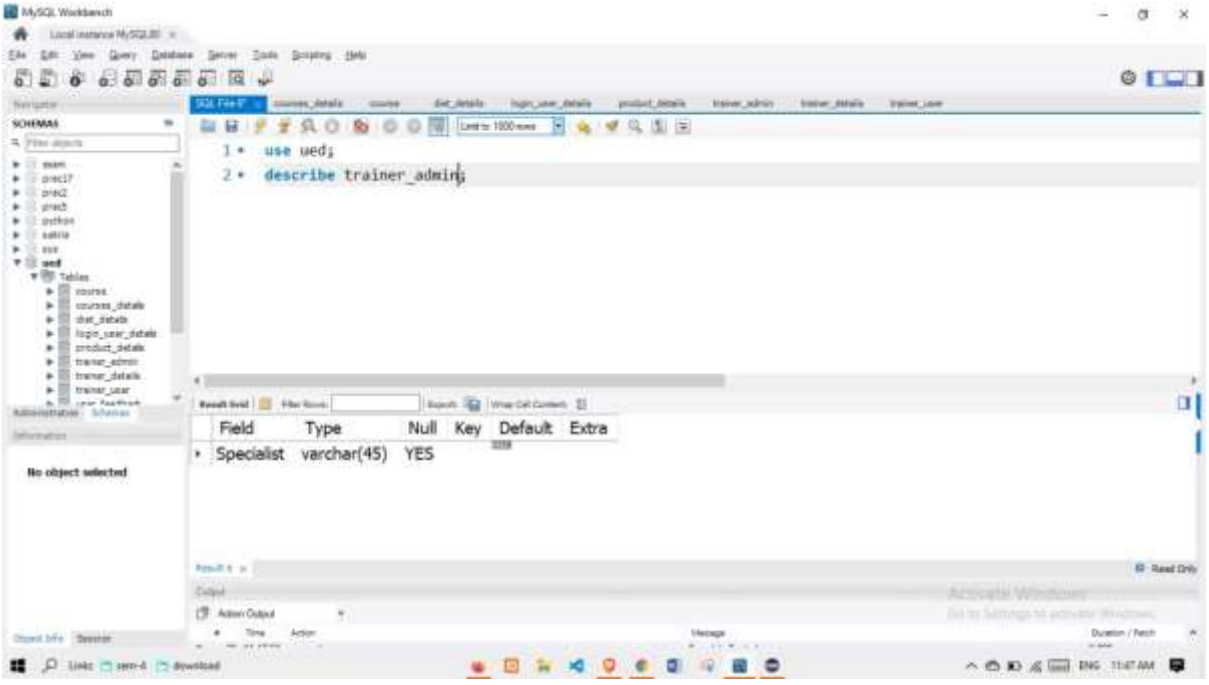
vi) product_details



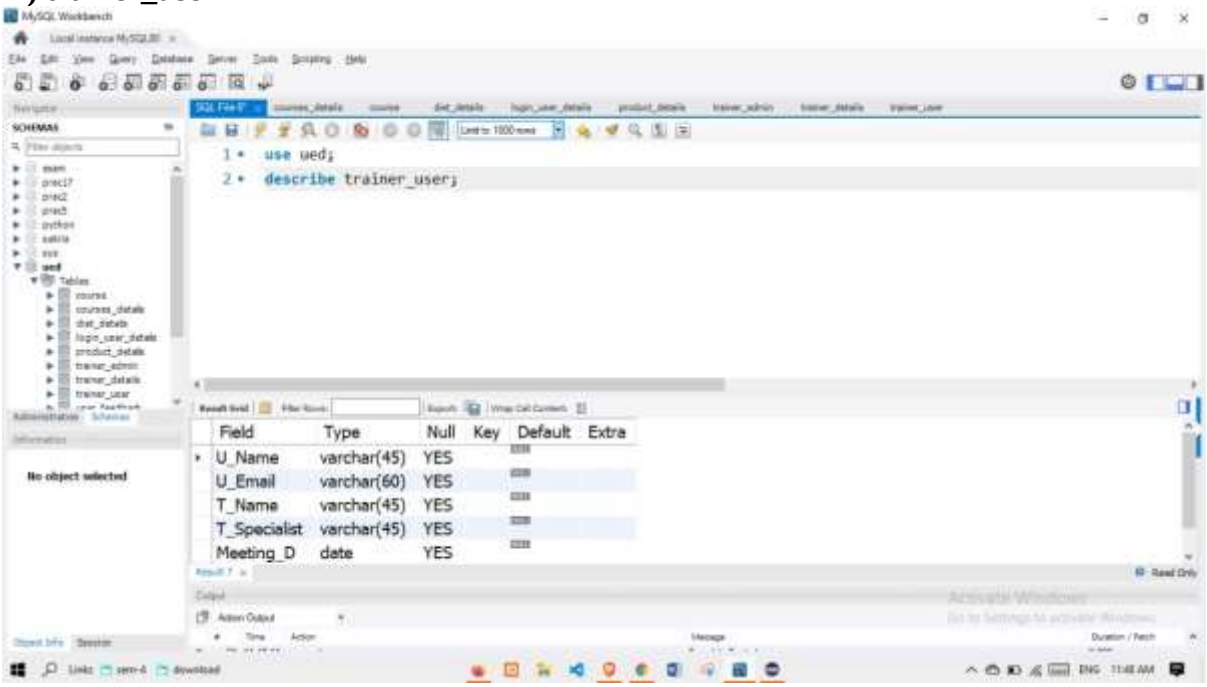
vii) trainer_details



viii) trainer_admin



ix) trainer_user



3.3 Modules and Their Description of System

1. **login_user_detail**
    - **a.** Username : User name of user
    - **b.** Email : Email id of user
    - **c.** Password : Password created by user
    - **d.** Security key : security key provided by user at time of signup
    - **e.** Profile : user is trainer, admin, or customer
    - **f.** Gender

2. **courses**
    - **a.** Email : email id of customer
    - **b.** Course name : course name which he/she purchasing
    - **c.** Amount : amount of course he is purchasing

3. **diet_detail**
    - **a.** Diet name : name of diet plan trainer is adding
    - **b.** Description : description of diet plan trainer is adding

4. **courses_details**
    - **a.** Course name : Name of Course
    - **b.** Course description : Description of Course which is added by trainer
    - **c.** Course Photo link : Course Photo link which is provided by Trainer
    - **d.** Course price : Price of Course

5. **user_feedback**
    - **a.** 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

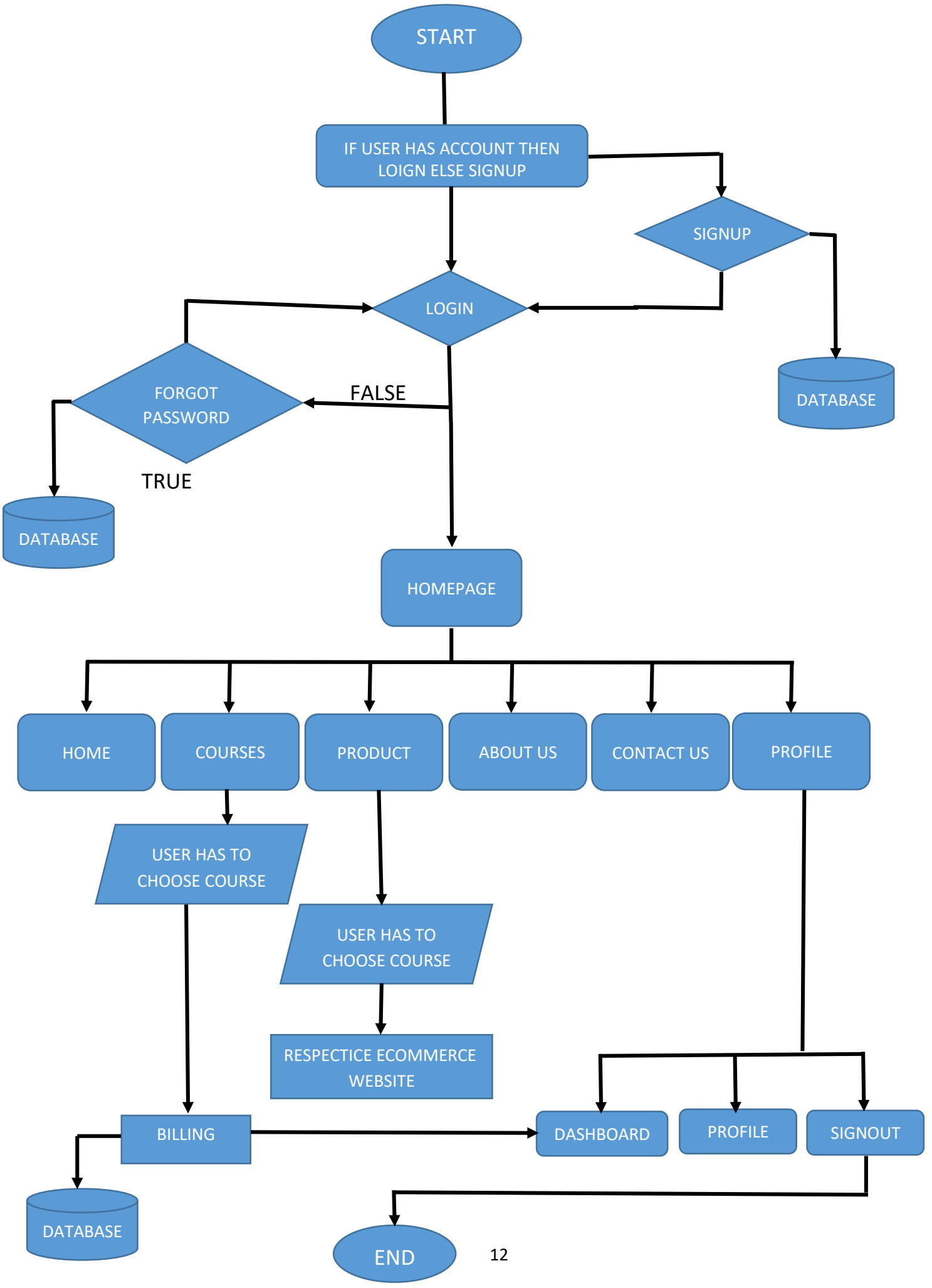
Chapter 4

System Design

4.1 Design Pseudocode or Algorithm for Method or Operation

1) Start
2) Login/signup
    a) If account exist then login
    b) If account does not exist then signup
    c) Recreate password if password forgotten
3) Home page
    a) Courses
        i) Choose courses
        ii) Billing
        iii) Billing history will show in user dashboard
    b) Product
        i) Choose product
        ii) User will be redirected to particular ecommerce website
    c) About us
    d) Contact us
    e) Profile
        i) Dashboard
        ii) Profile
        iii) Signout
4) End

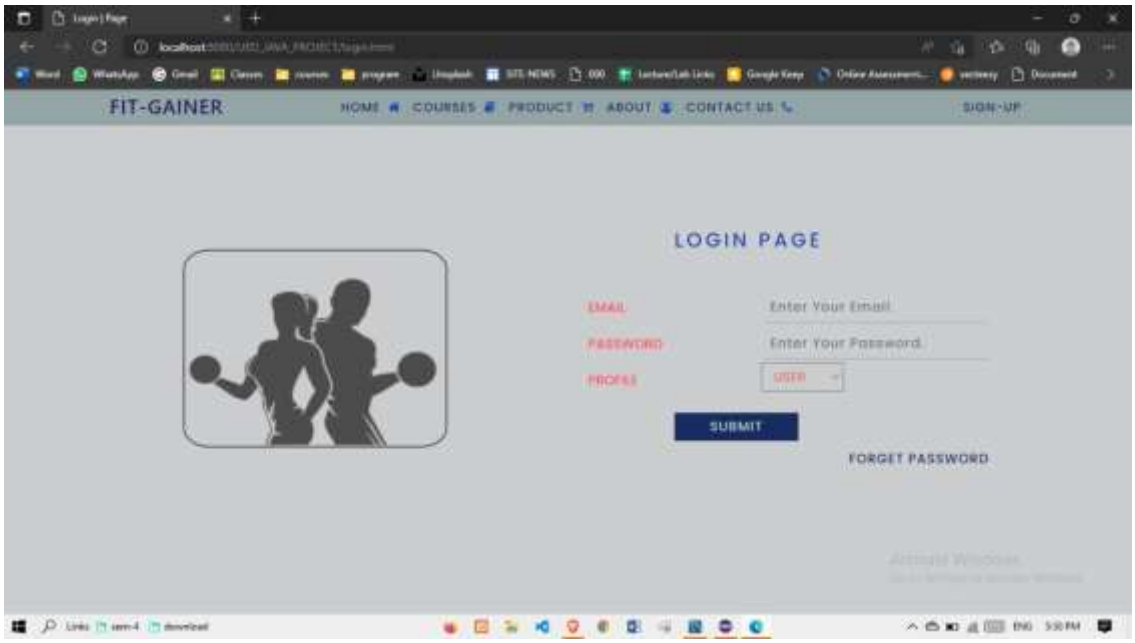
4.2 Flow Chart Diagram

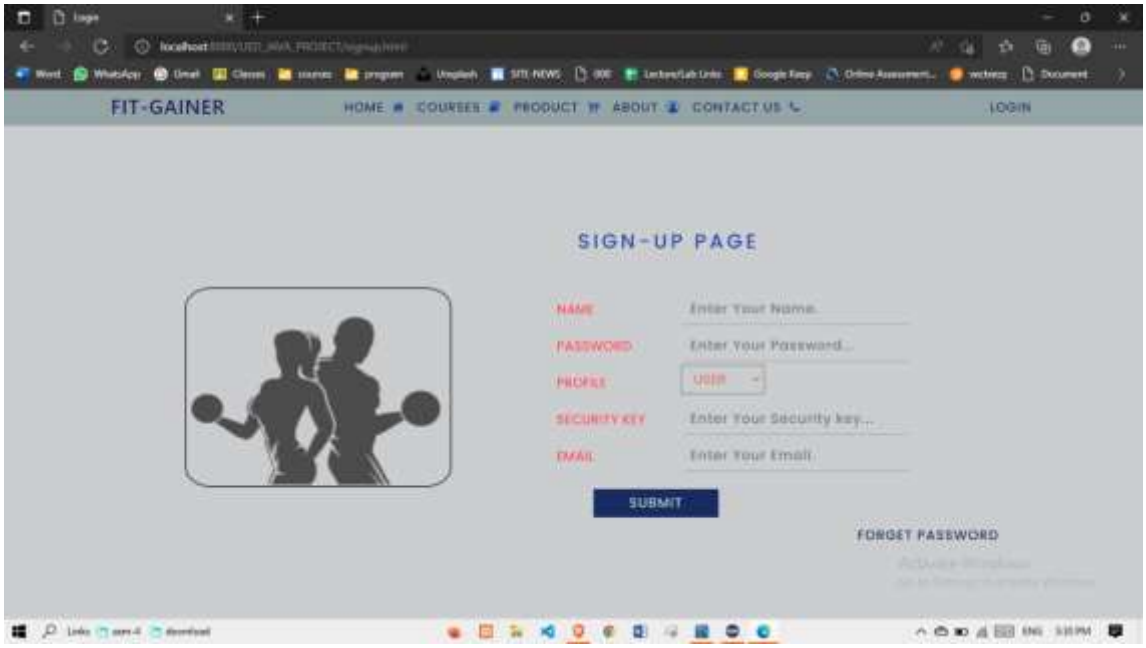

START
IF USER HAS ACCOUNT THEN LOIGN ELSE SIGNUP
SIGNUP
LOGIN
DATABASE
FORGOT PASSWORD
FALSE
TRUE
DATABASE
HOMEPAGE
HOME
COURSES
PRODUCT
ABOUT US
CONTACT US
PROFILE
USER HAS TO CHOOSE COURSE
USER HAS TO CHOOSE COURSE
RESPECTICE ECOMMERCE WEBSITE
BILLING
DASHBOARD
PROFILE
SIGNOUT
DATABASE
END

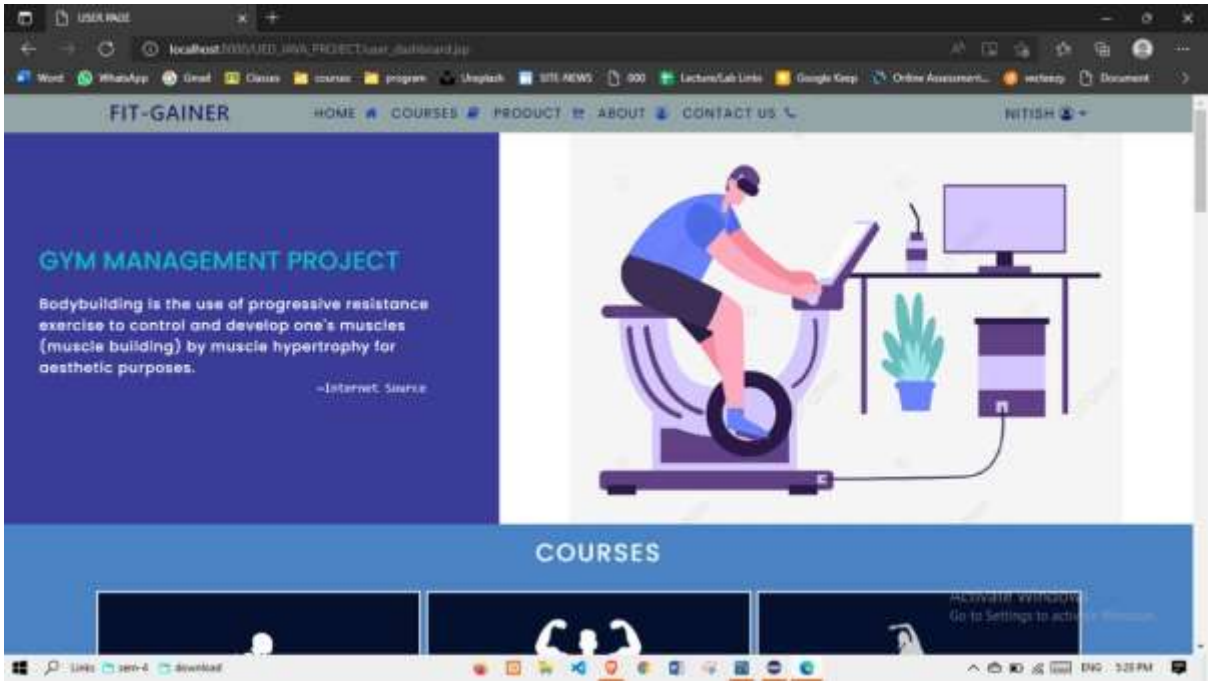
Chapter 5

Screenshots

5.1 Frontend/Client/End User Side Screenshots



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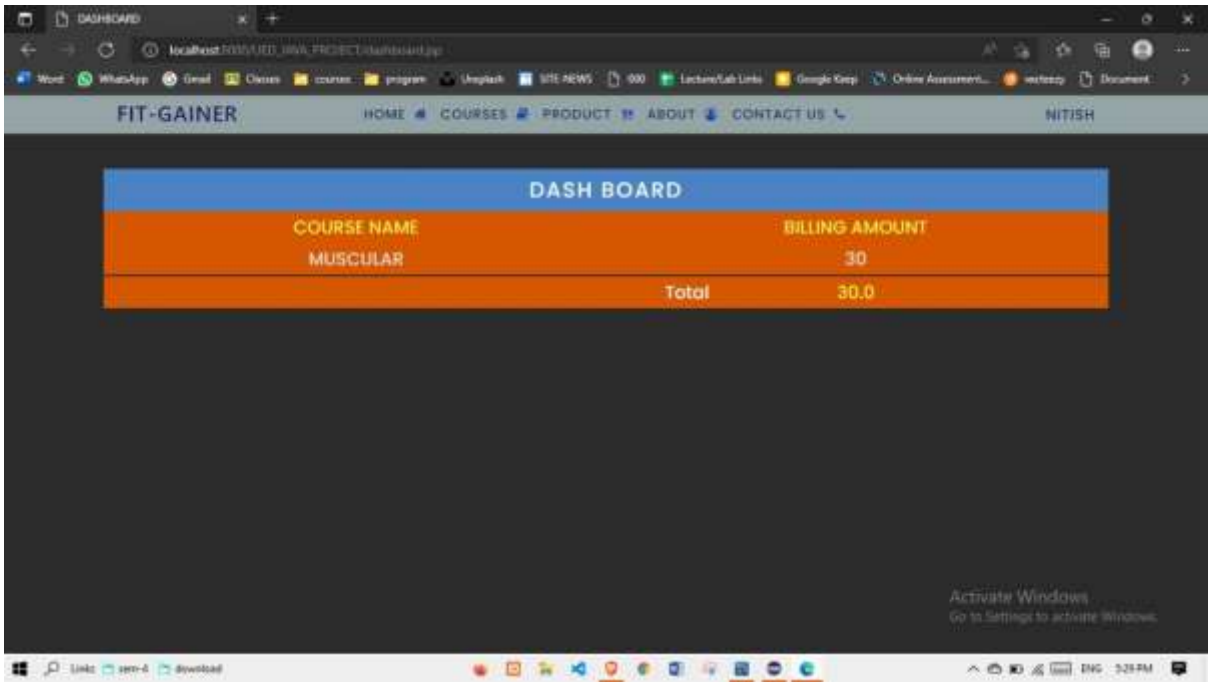
GYM MANAGEMENT PROJECT
Bodybuilding is the use of progressive resistance exercise to control and develop one's muscles (muscle building) by muscle hypertrophy for aesthetic purposes.
~Internet Source
COURSES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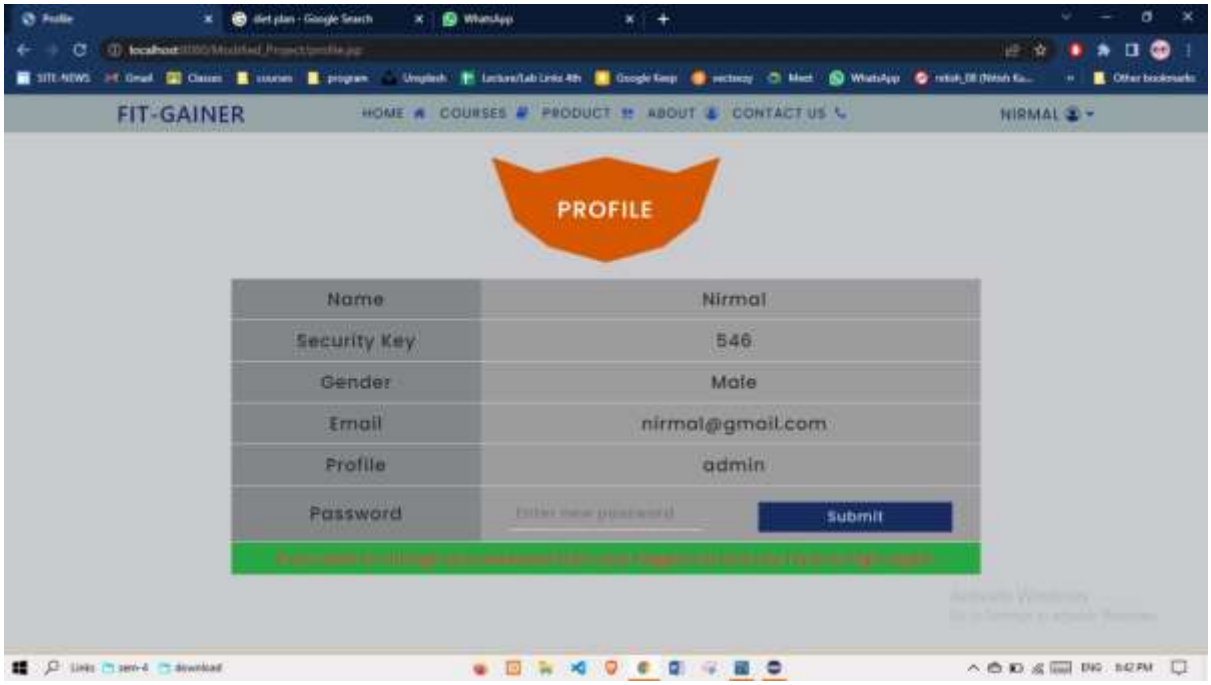
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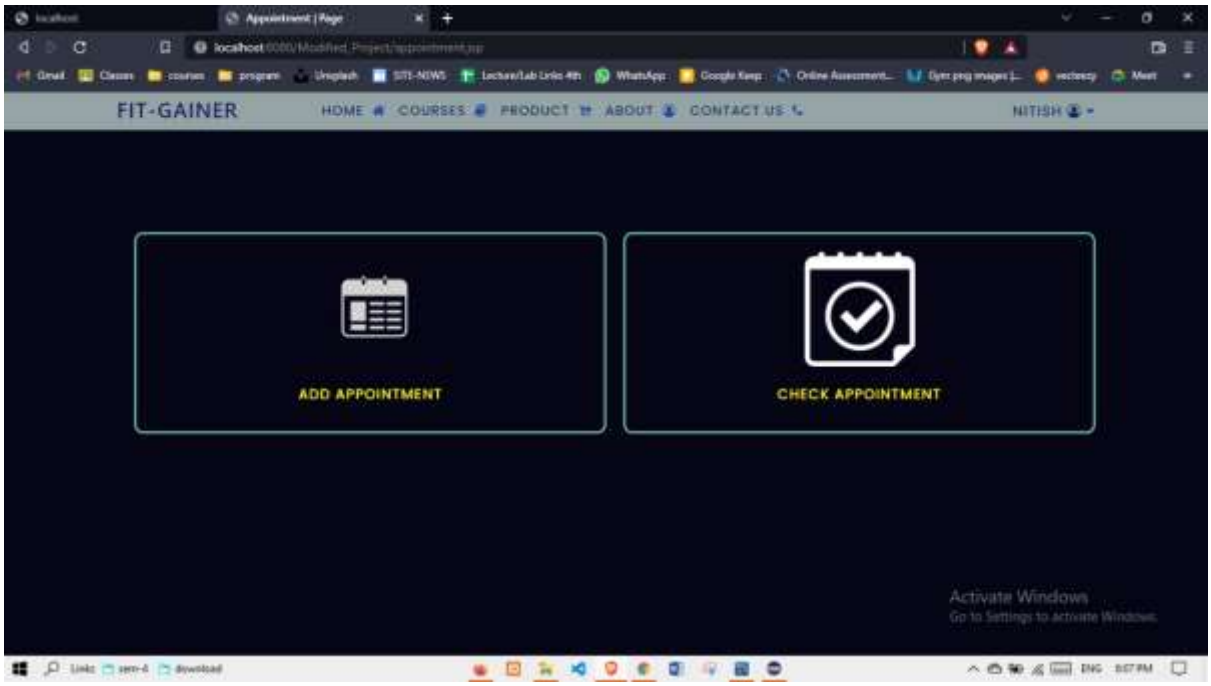
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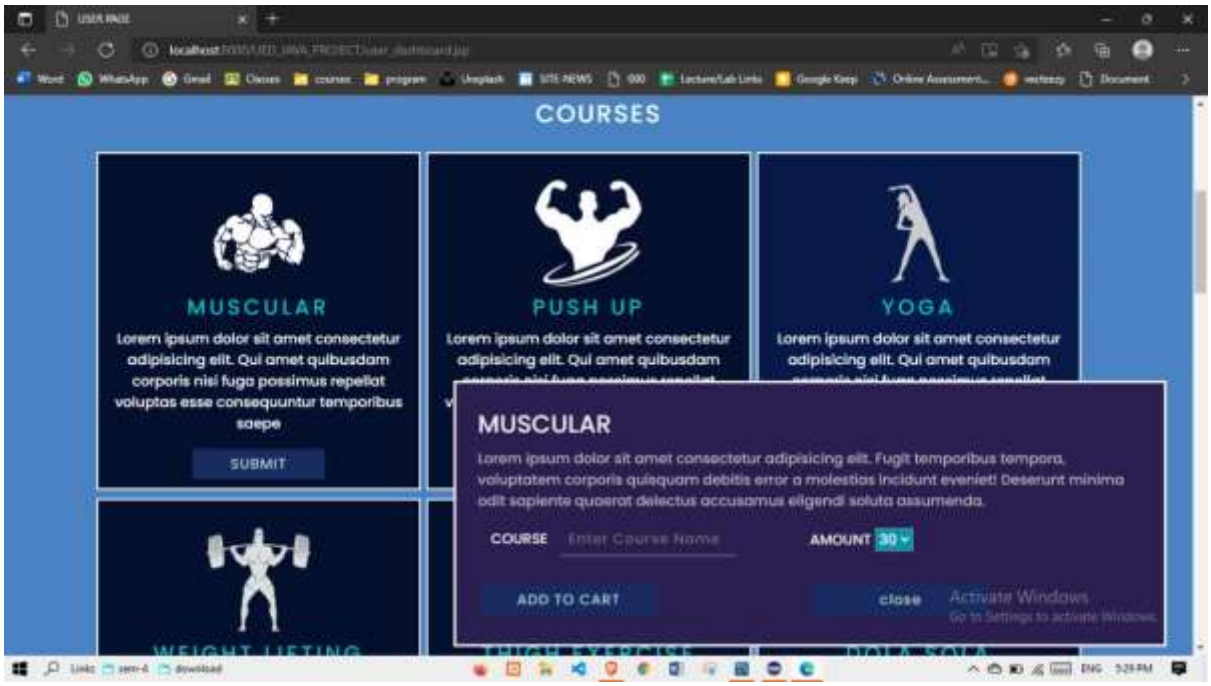
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ADD TO CART
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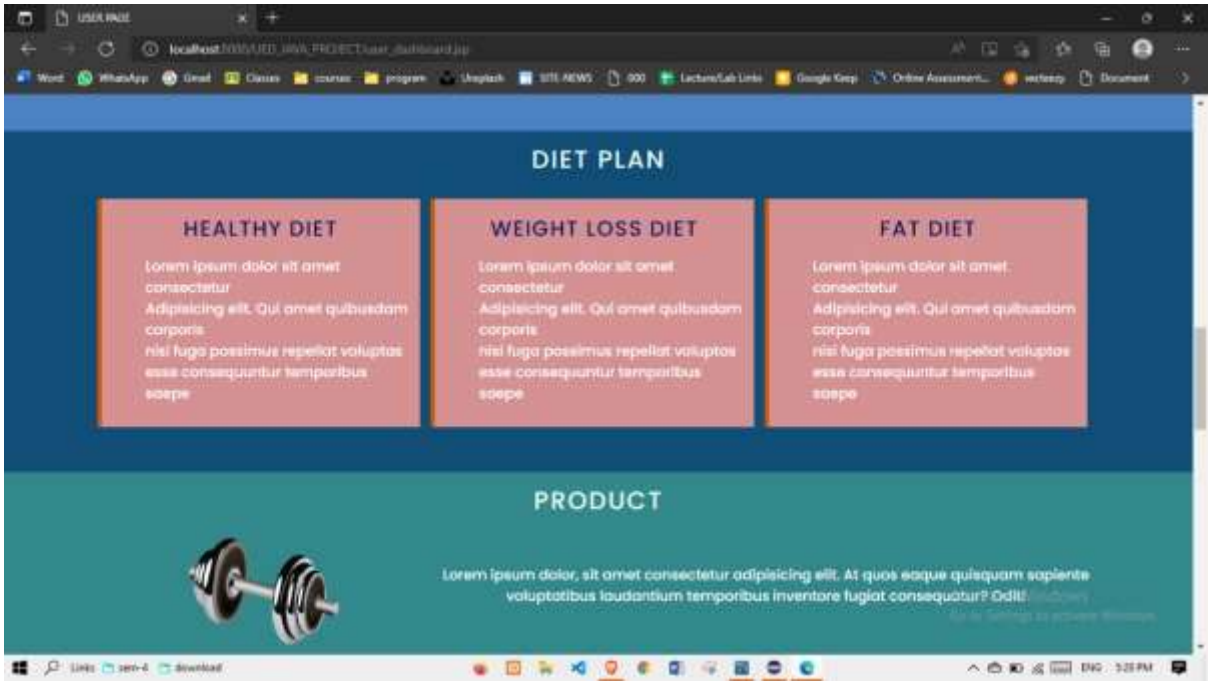
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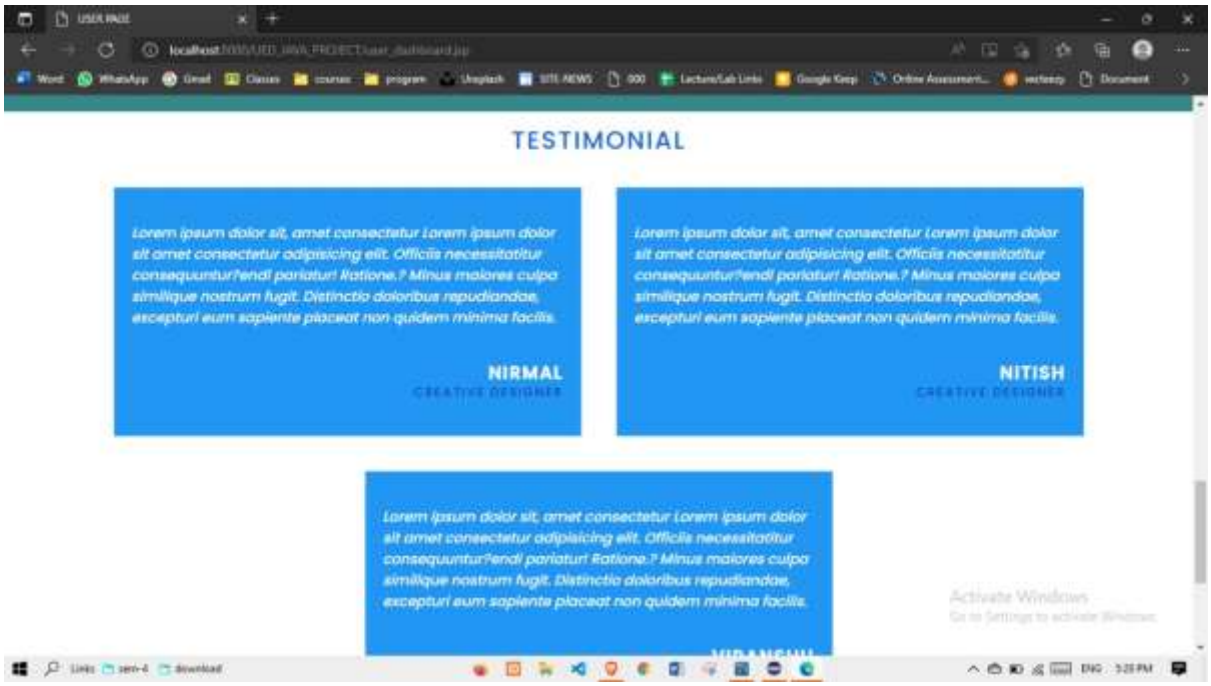
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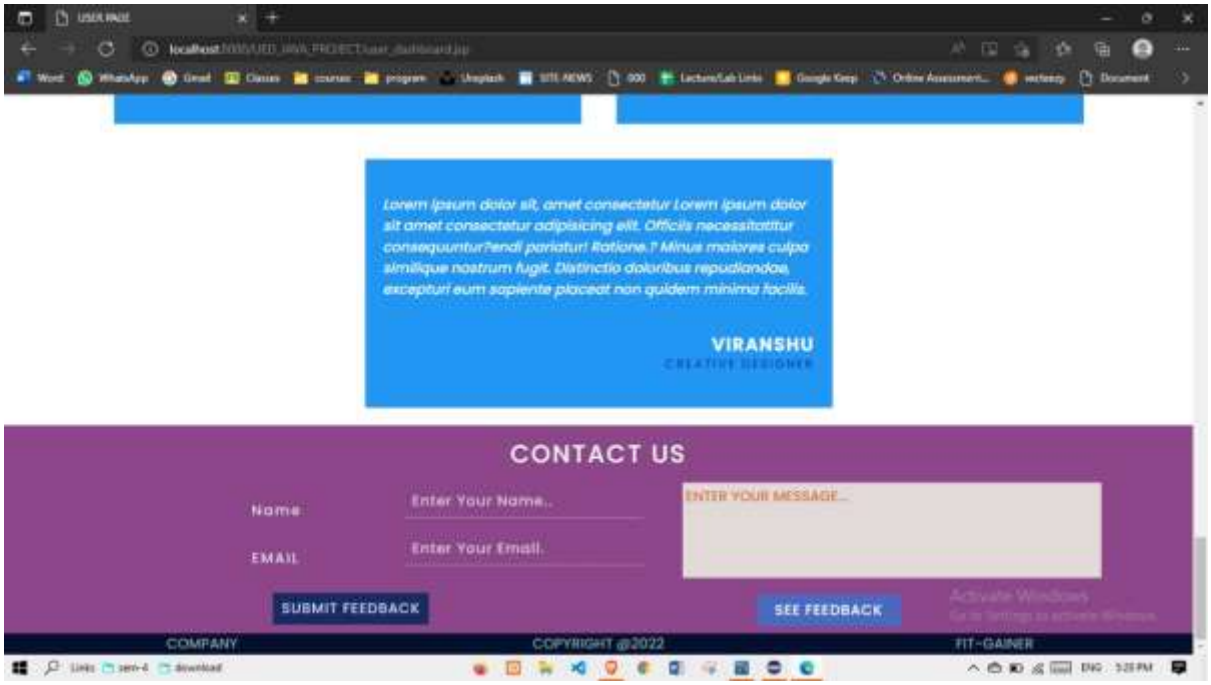
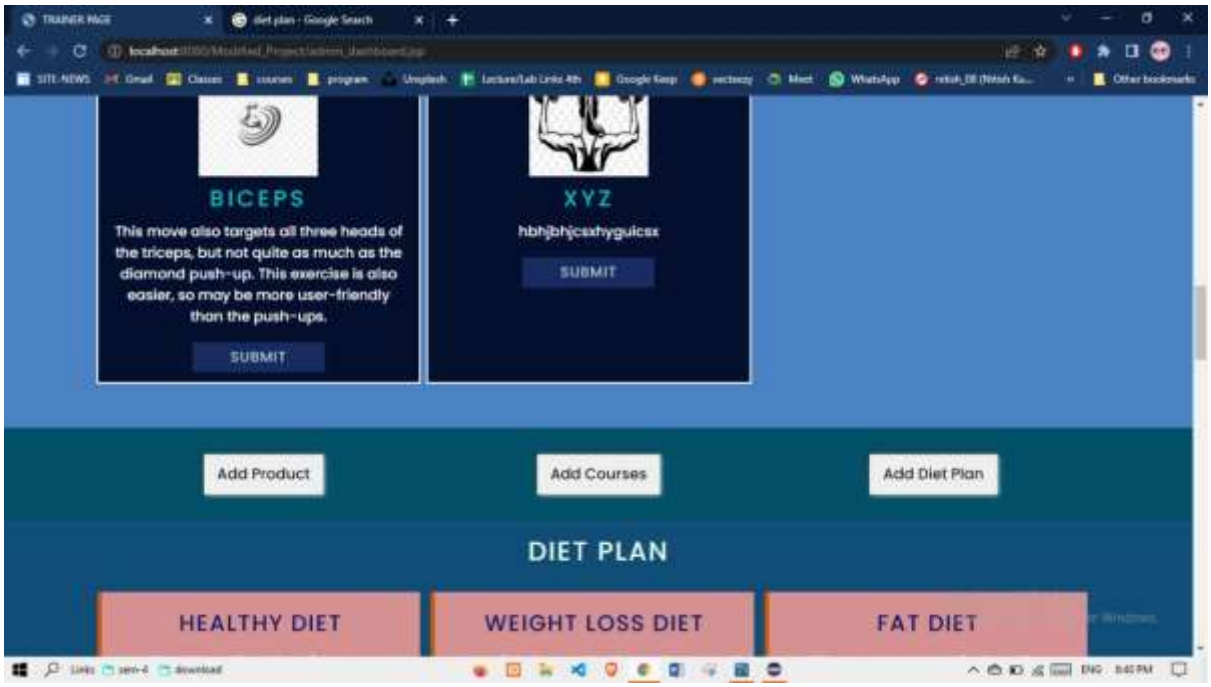
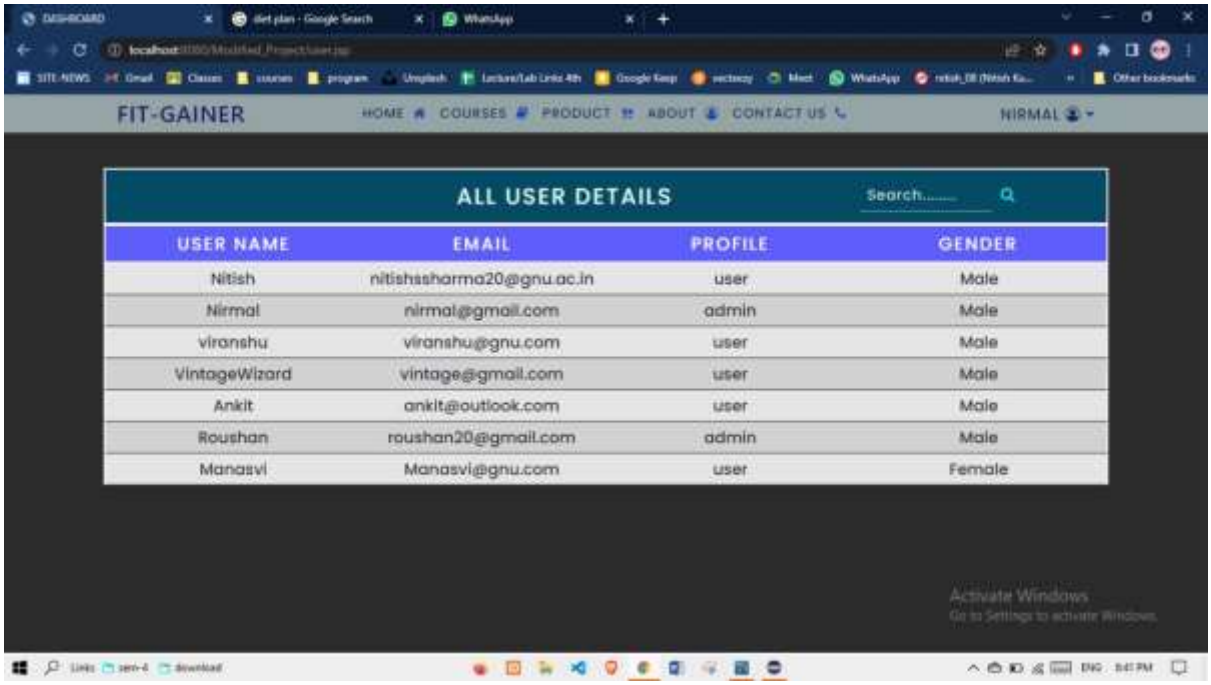


5.2 Backend/Trainer Side Screenshots

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PROFILE
GENDER
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admin
Male
viranshu
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user
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VintageWizard
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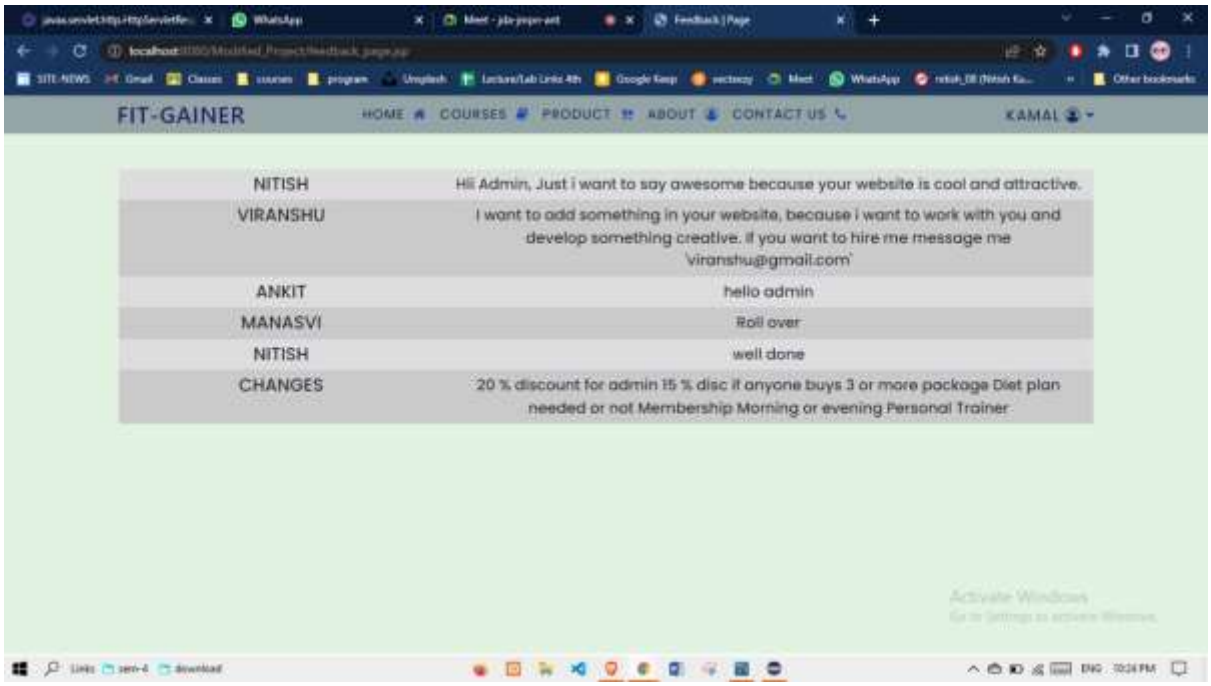
FIT-GAINER
HOME
COURSES
PRODUCT
ABOUT
CONTACT US
KAMAL
NITISH
Hii Admin, Just i want to say awesome because your website is cool and attractive.
VIRANSHU
I want to add something in your website, because i want to work with you and develop something creative. If you want to hire me message me 'viranshu@gmail.com'
ANKIT
hello admin
MANASVI
Roll over
NITISH
well done
CHANGES
20 % discount for admin 15 % disc if anyone buys 3 or more package Diet plan needed or not Membership Morning or evening Personal Trainer

Chapter 6

Conclusion and Future Work

6.1 Conclusion

The “GYM MANAGEMENT SYSTEM” is successfully designed and developed to fulfilling the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly, form level validation and field level validation are performing very efficiently.

The new web application system was found to be much faster and reliable and user friendly then the existing system, the system has been designed and developed step by step and tested successfully.

The system results in quick retrieval of information that is very vital for the progress any organization. Cost is minimized in case of stationary. Burden of manual work is reduced as whenever transaction takes place, there is a no need to record it in many places manually.

6.2 Future Work

The software has been developed in such a way that it can accept modifications and further changes. The software is very user friendly and future any changes can be done easily.

In future we are deciding to make this web application available as both mobile application and website and add many more features in this system to make this project more efficient.

Chapter 7

REFERENCES

1. Websites :
    a. Geeks for Geeks - https://www.geeksforgeeks.org/
    b. Javapoint - https://www.javatpoint.com/
    c. StackOverflow - https://stackoverflow.com/
    d. Code Java - https://www.codejava.net/

2. YouTube :
    - For learning Bootstrap (Yahoo Baba)
    - For learning Hibernate (Learn with Durgesh)
3. Material provided by professors