American International University- Bangladesh

CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation
Project Report
Summer 20-21

Project Title: Webtech_A_G5_Agricultural_Web

Section: A

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Agricultural Web Application

Introduction:
A small online platform. Where farmers can share their problems with us and we will give them suggestions.

Background Study:
This will be a web application. Where will be four actors admin, farmer, visitor, and expert. This baking is fully online based. Every actor has his individual role. Admin will maintain all the application process. Farmer will share their problem with experts and expert will try to solve them. All the admin, farmer and expert will have individual accounts. Visitors are the normal user without any account who can just visit and know about our web application. Websites from which we are inspired:- https://www.floretflowers.com/
https://woodstocksanctuary.org/
https://www.holmesbrothersfarm.com/

Requirement Analysis:

1. User Category:

There are 4 types of Users here. They are:

- Admin
- Farmer
- Expert
- Visitor

2. Feature List:

In this project the "Admin" has the following features:
1. Can registration and login
2. Add member
3. Can approve account request
4. Can Add -update-delete member information
5. Can Manage attendance
6. Can Manage payable salary
7. Can Manage leave
8. Can maintain News/article

9. can log out

10. can manage loan issue

11. can reply to the help & suggestions

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12. can insert/update/delete purchase list

13. can manage account verification issues

14. can maintain weather update

15. can insert/update/delete account details

16. can insert/update/delete expert & user list

In this project the "Farmers" has the following features:
1. can delete account
2. Can give expert rating

3. can apply for news

4. can apply for loan
5. Can logout
6. can Chat with experts

7. can Enroll courses

8. can see their research result

9. can login and registration

10. can help & suggestions

11. can insert/update/delete personal details

12. can account verification

13. can donate

14. can loan info

15. can weather

In this project the "Experts" has the following features:
1. can chat with users and other experts

2. can see Required Research

3. can upload research result

4. can write article

5. can Upload QnA

6. can Upload course videos

7. can give present

8. can help & suggestion

9. can log out

10. can delete account

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11. can change password

12. can insert/update/delete personal info

13. can insert/update/delete profile picture

14. can registration and login

15. can donate

16. can account verification

17. can weather update

In this project the "Visitor" has the following features:

1. can see farmer's list

2. can see manual (how to use)

3. can see expert's introduction

4. can see QnA

5. can log-in if they already have account (3 type of login)

6. can create new account

7. can see Course's list & description

8. can apply as a volunteer

9. can apply for Job/internship

10. can Help & give suggestion

11. can donate

12. can see weather update

13. can see user list

14. can see the University and research institutions where we research

15. can apply to be sponsor

In this project, Every users has the following features:

1. everyone can read description

2. can apply dark mode

3. can read article

4. can see notification

5. can see Events

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6. can read news

7. can search

8. can share other web links

9. can see Gallery

10. can see contact

11. can view experts list

12. can see our community

13. our sponsor list
14. can read QnA

15. can get emergency helpline

Design:

Agriculture Management System E-R Diagram
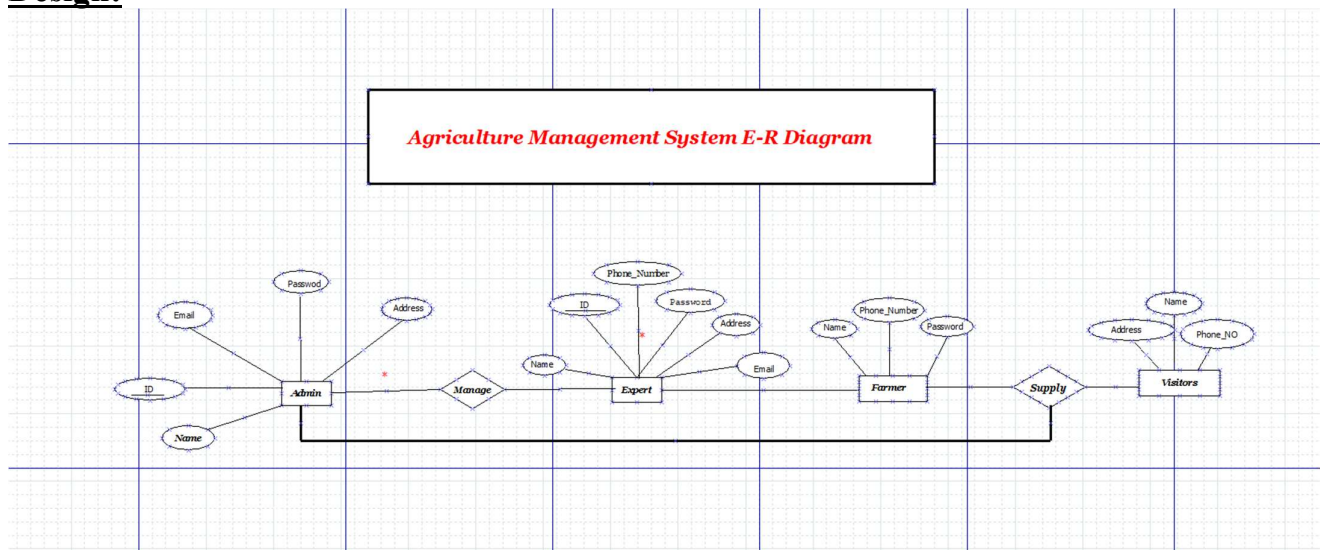
Tools Used:

To develop this project, we have used the following:

• Sublime Text

• Xampp

• Chrome browser

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System Images against the Specification:

Index page:
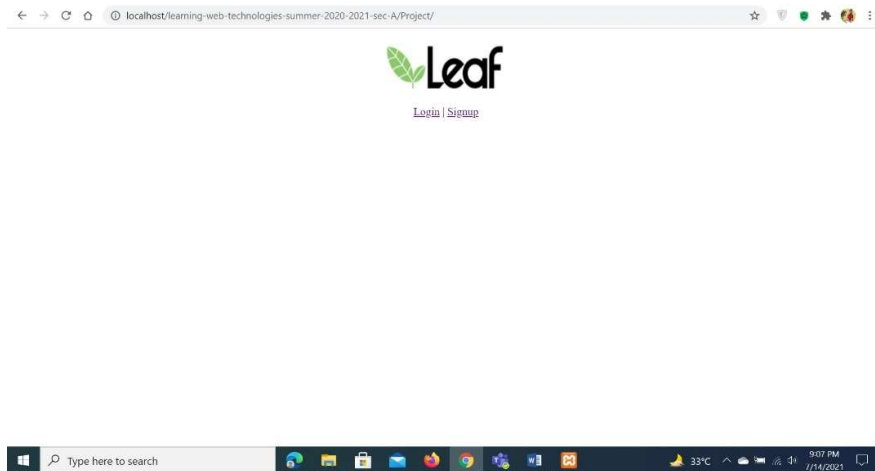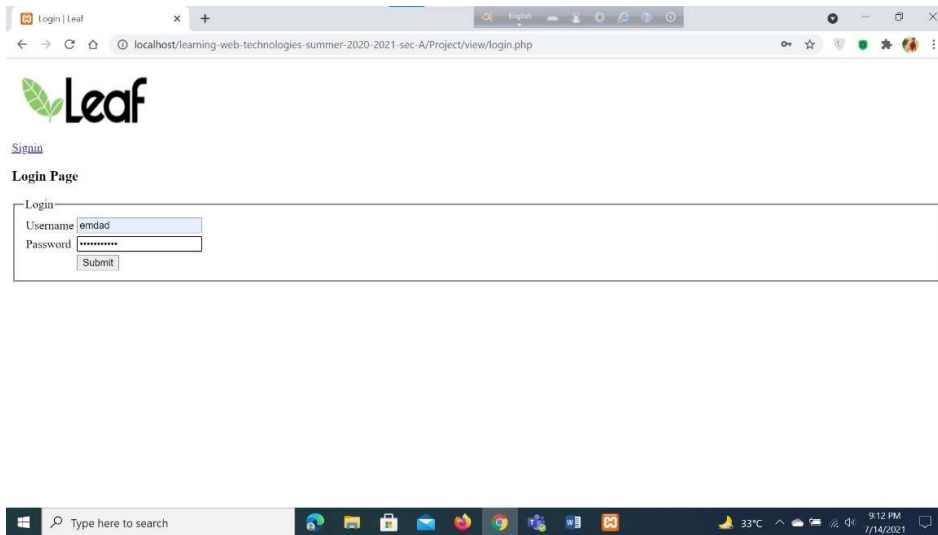
Signup/registration page:
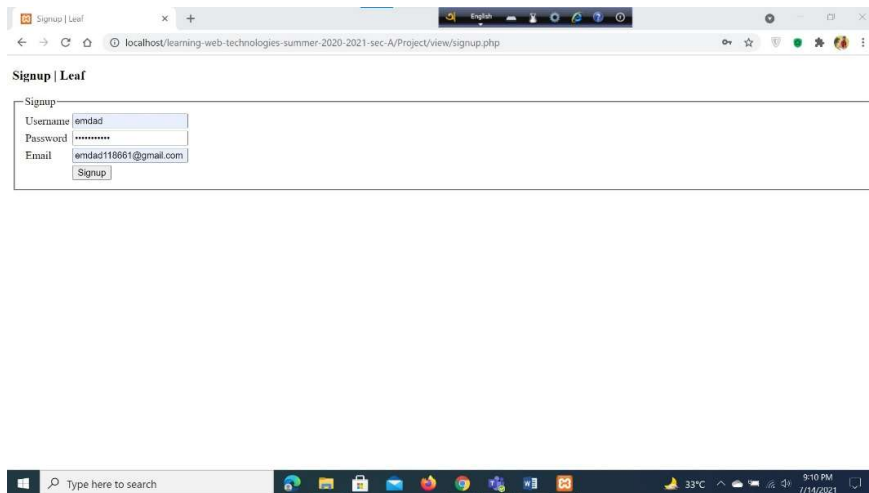
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Login page:

Admin Dashboard:

Farmer Dash board:

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Expert Dashboard:
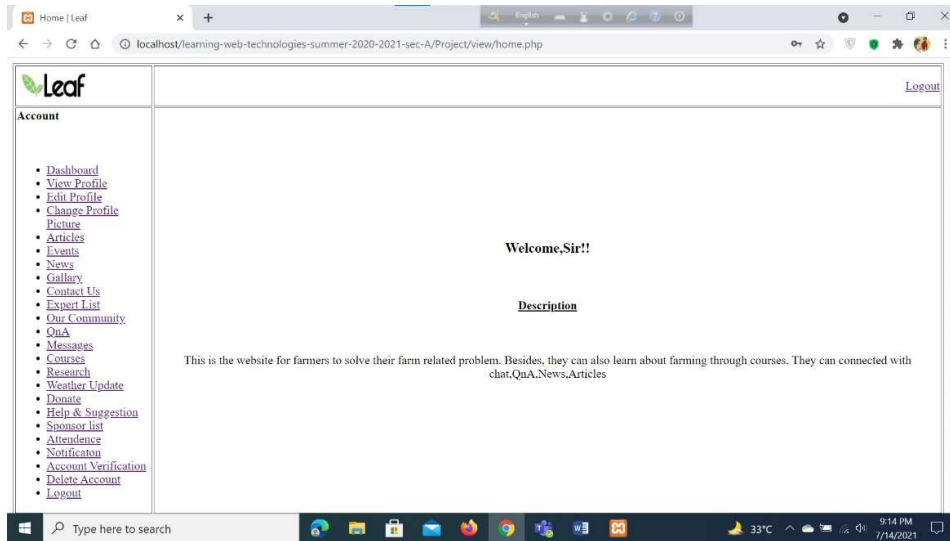
Visitor Dashboard:

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Impact of this Project:

Actually, we did not have any experience about this type of web application. We do not have any idea what farmer's problem and how we can solve these. Spacially,

Limitations and Possible Future Improvements:

We cannot make it big. Or add some big features like video call or audio call and dark mode.

CO1.1 and CO2.1 Evaluation: Project Report Evaluation					
Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)