Project Report CS309

KisaanSewak

Group 16

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Abstract

An online shopping system that permits a customer to submit online orders for items and/or services from a store that serves both walk-in customers and online customers. The online shopping system presents an online display of an order cut off time and an associated delivery window for items selected by the customer. The aim of this project is to make farmer's friendly shopping site where farmers acts as vendors. Normal shopping sites enable only the website owner to sell their products but this platform enables every farmer to sell their products.

Kisaan Sevak is a farmer friendly interface where farmers can sell their farm products at profitable price. Basically it's a shopping site where customers can buy fruits, vegetables and crops directly from farmers. This online shopping site provides farmers a option of filling their goods information and buyers can buy the products which farmers want to sell. Thus the site helps farmers to sell their goods produced.

Chapter 1
Introduction

1.1 Problem statement

India is a land of agriculture and farmers are it's root. But the farmers don't get the true value of their agricultural products. Farmers sometime are forced to sell their products at low prices or sometime they are even unable to sell the crops. Thus they are not able to do the profitable business of their crops or goods in the markets. The following project can help farmers to solve this issue and in future this project can become the right hand of the farmers.

1.2 Objective

The main aim of the project is to design a platform where farmers can sell their fruits and vegetables at profitable price and the consumers can directly buy those good produced by farmers. By this the in between profit gainers are removed and farmers can get the true value of their goods.

1.3 About Project

The project name is "**Kisaan Sevak**". The name is assigned to the project such that it is acceptable and attractive to farmers. This is an online platform which provides two types of account - first is farmer's account and second is consumer's account. A person can decide whether he wants to sell or wants to buy something from seller. For a farmer's account the site provides to a farmer to add the details of the products which he wants to sell. A consumer's account provides consumers to buy the products he wants. Basically the project is about the database management between the farmers and consumers.

Normal shopping sites have only one seller (i.e. website owner) and multiple buyers but in this project provides the facility of multiple sellers and multiple buyers.

Chapter 2
Development

2.1 Technologies Used

Following are the technologies used in the development of the project.

2.1.1 Front End

The external design of the site is done in following languages:

1). HTML and CSS (For providing various tags and Styles to the GUI)

2). PHP

3). JAVASCRIPT

2.1.2 Back End

XAMPP server is used as back end to create the databases of the site. Sublime Text editor is used to write the code and Firefox Fox is used to See real Web-pages of website

2.1.3 Database Management

1). SQL language is used for creating database and Mysql open source DBMS software is used for implementing sql language.

2). Storage Engine - InnoDB (Supports transactions)

2.2 Running The Project

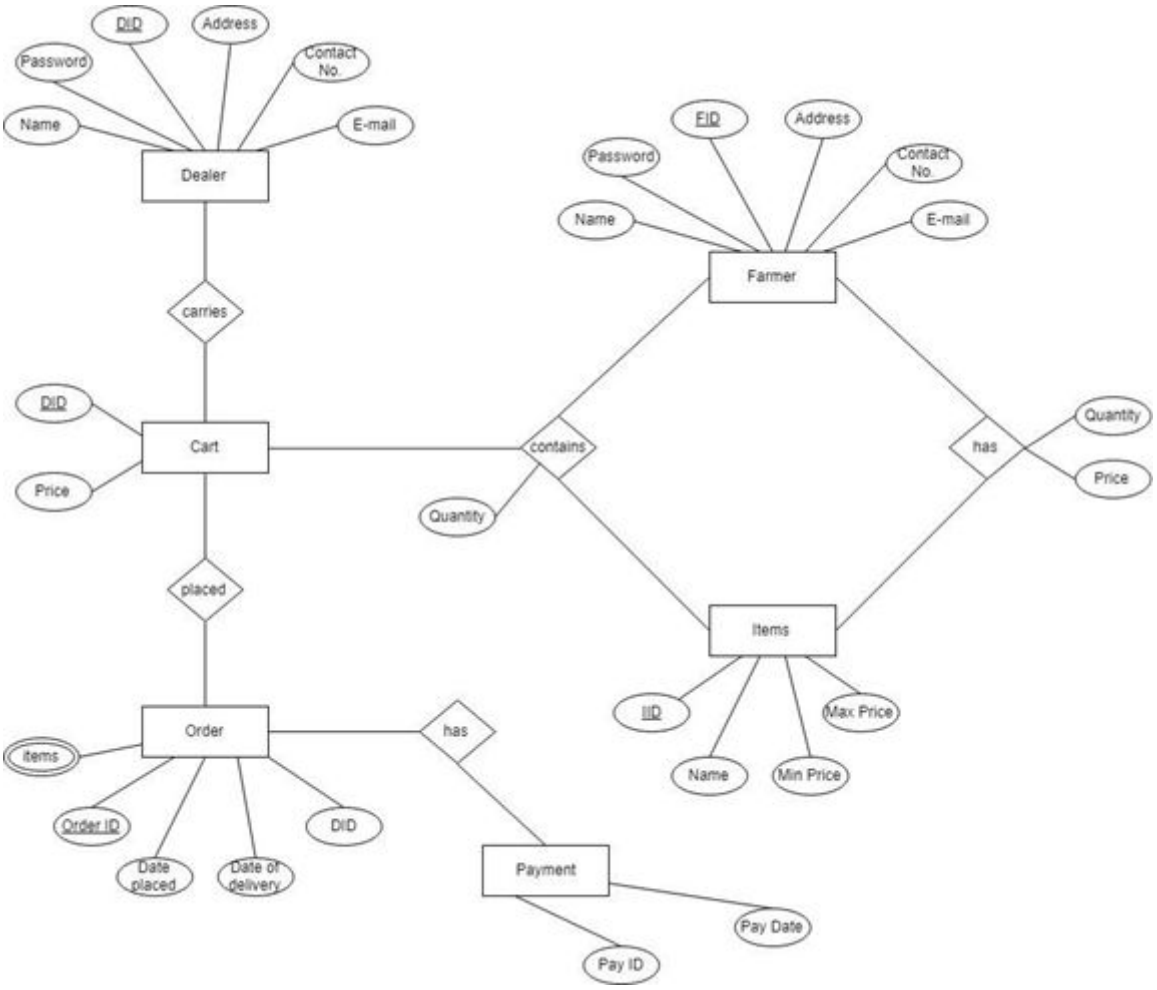
2.2.1 First you need to install XAMPP software and any browser like Firefox,Chrome.

2.2.2 Now you have to open the XAMPP control panel, start Apache and MySQL. After starting Mysql and Apache you have to open the browser and in the search bar give the address of website(localhost/FarmersBuddy) and press enter.

Chapter 3
Design

Design of the Website includes following details:

3.1 ER Diagram



3.2 Data Fields

Following are the data fields :

Table 1 :

Farmer(FID, Name, Password, Address, Contact No., E-mail)

Table 2 :

Items(IID, Max Price, Min Price, Name)

Table 3 :

Dealer(DID, Name, Password, Address, Contact No., E-mail)

Table 4 :

Cart(DID, Price)
Foreign keys- DID reference Dealer(DID)

Table 5 :

Order(Order ID, DID, Date_Placed, Date_Of_Delivery,
Items) Foreign keys- DID reference Dealer(DID)

Table 6 :

Cart_Items(DID, IID, FID, Quantity)
Foreign keys- DID reference
Dealer(DID)
IID reference
Items(IID)

Table 7 :

Farmer_Items(Quantity, FID, IID,
Price) Foreign keys- DID reference
Dealer(DID)
IID reference Items(IID)

Table 8 :

Payment (Pay ID, Order ID, Pay Date)

Note:-Underlined Attributes are together primary key

3.3 Relationships

1. Farmer has Items

2. Cart contains Items
3. Dealer carries cart
4. Dealer placed order from Cart
5. Order has Payment detail

3.4 Normalization Selected

1. All the tables are in BCNF (except farmer in 1NF).

3.5 Functional dependencies

1. In the farmer table city, country dependent on f_address.
2. F_address dependent on f_ip.

3.6 Security

3.5.1 HTTPS is used instead of HTTP.

3.5.2 Email verification to weed out fake accounts.

3.5.3 Login system for each farmer and consumer**.**

3.7 Performance and Indexing

B+ tree indexing is used for indexing.

Schema	Index
brand	brand_id
cart	p_id
categories	cat_id
customer	cust_id
customer_order	Order_id, customer_id
farmer	f_id
Pendding_order	Product_id, customer_id
products	product_image,product_id

3.8 Constraints

a) FID,and DID should be in Aadhar ID format.

b) All password must be at least 6 characters.

c) All Email should be in valid email format.

d) Quantity attribute of any field should not be null.

e.)It is insured that no farmer or consumer may have more than one account

3.9 Views

1.compare_product:- for comparing two same type of product.

2.total_price:- for finding total price of cart.

Chapter 4
Project Scope

4.1 Functionalities

Any user can act as farmer or buyer. The site provides option to a user to be a farmer or a consumer. Following are functionalities:

4.1.1 Farmer's Role

Each farmer will be having a user ID and Password used for login. Non-registered farmers can register themselves by creating account using Registration. These registered farmers can now sell their products on website by insert their product on website .

4.1.2 Customer's Role

As of farmer, each consumer will have user ID and password and can register themselves using Sign Up option. Each consumer will have a cart ID assigned using IP Address of the user. Consumers can add products to cart with corresponding product ID and quantity without even logging in. But in order to place order, login is necessary.

4.1.3 Administrator's Role

Administrator's role is to maintain security of database. He/She will be having access to all the database tables used at the backend server.

4.2 Usability and Reliability

1. Desktop Interface
2. Windows 98/2000/XP/7/8/10
3. It is available online only

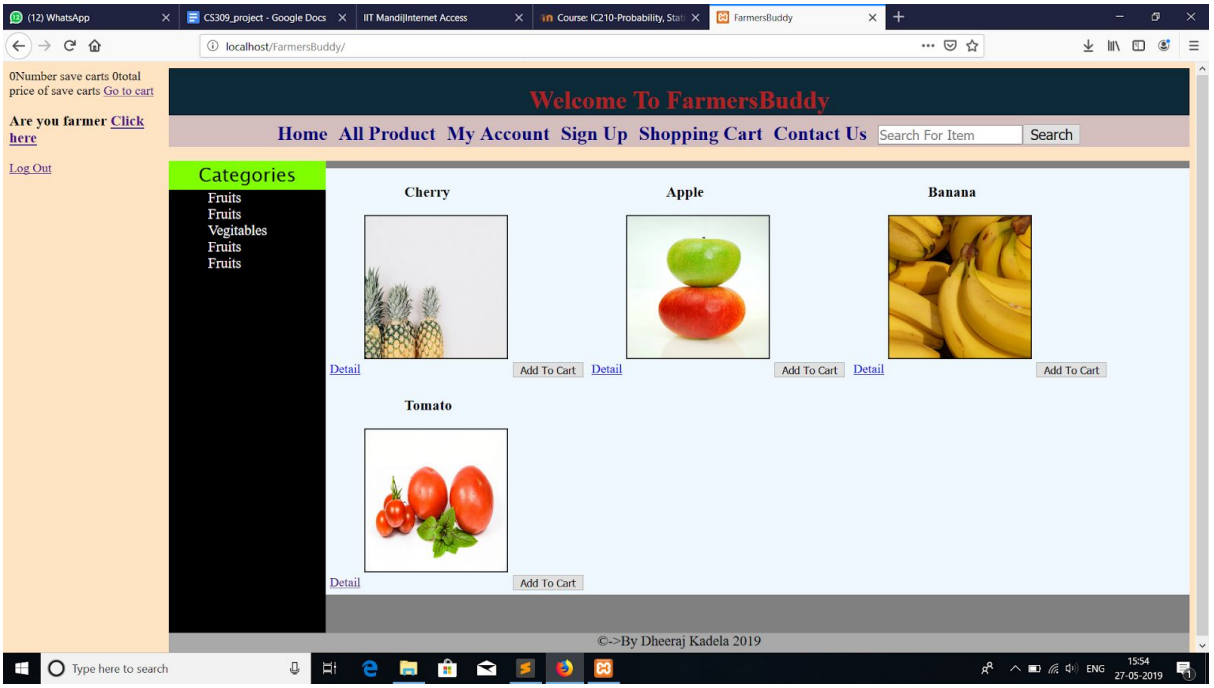
Chapter 5
Implementation

5.1 Source Code

Uploaded on Moodle

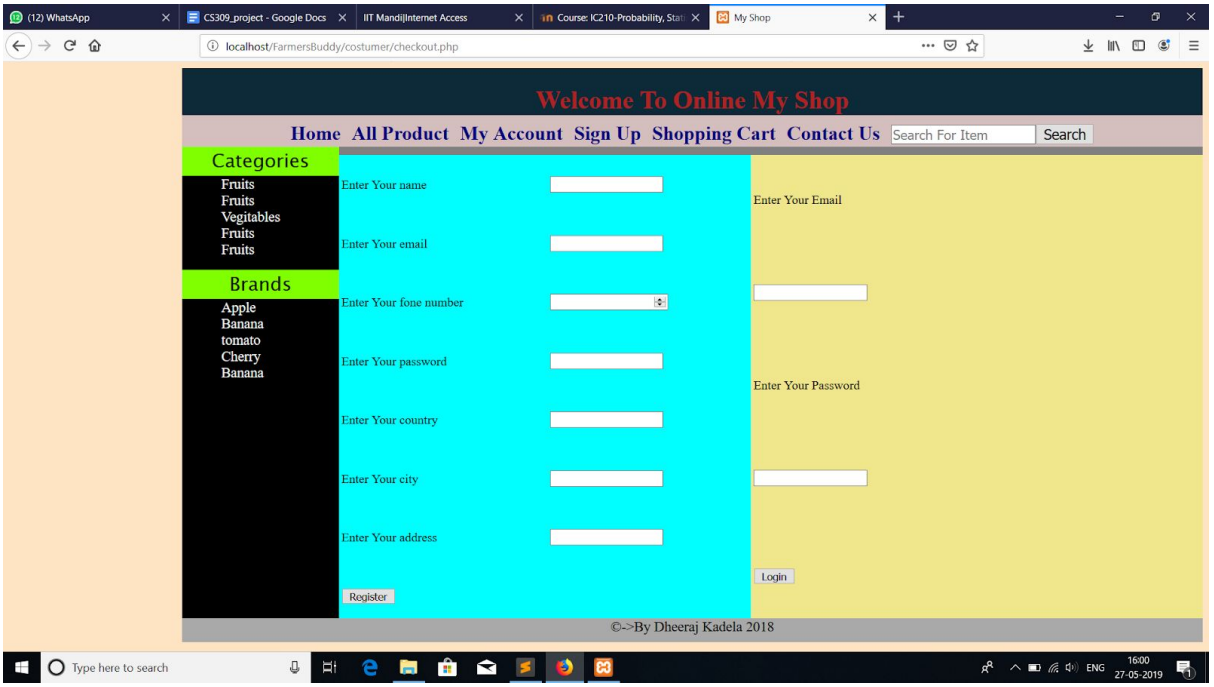
5.2 Running Time Screenshots

5.2.1 Home-Page

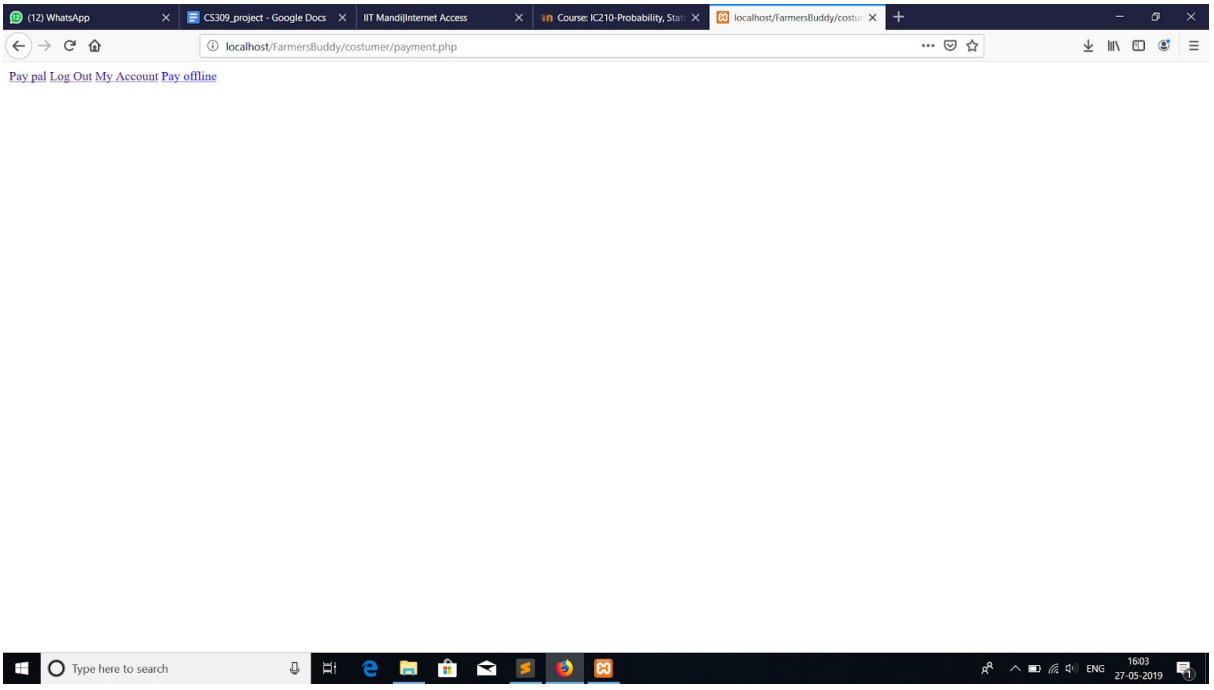


5.2.2 Add Or Delete Cart Functionality

5.2.3 Login And Registration of consumer

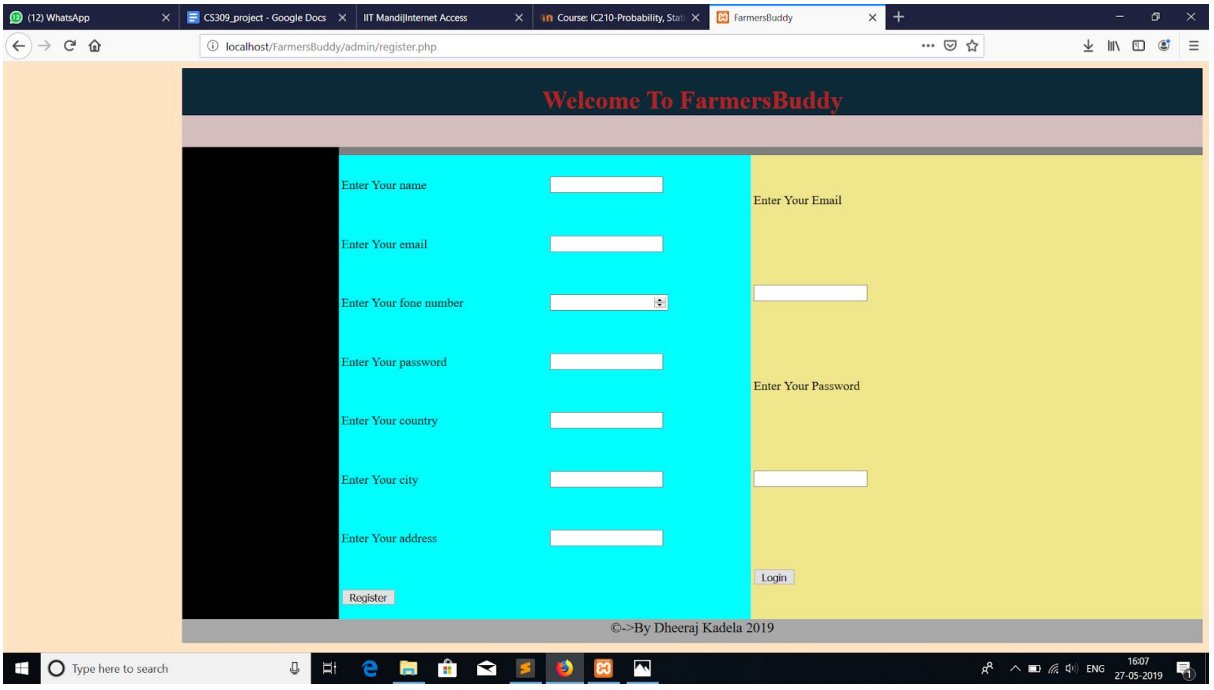


5.2.4 Payment_Mode

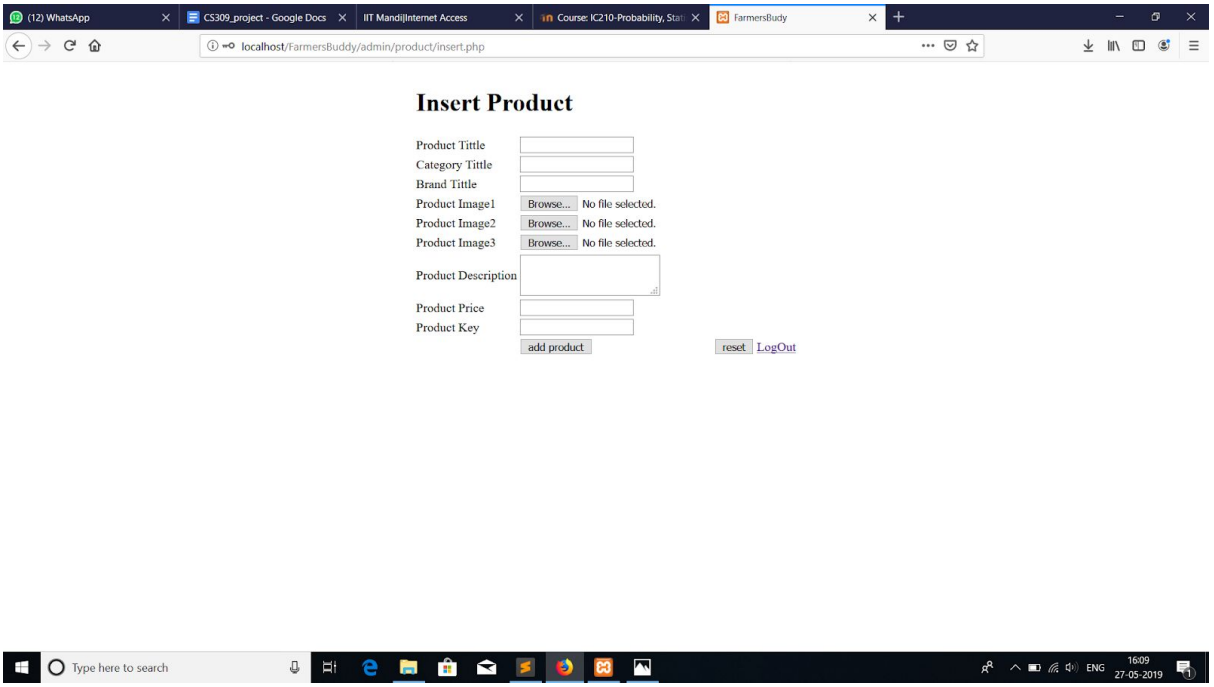


5.2.5 MyAccount

5.2.6 Farmers Registration



5.2.7 Add New product



Chapter 6
Summary and Conclusion

Our product will be able to end up the margins between farmers and consumer. All the profits are made only by these brokers leaving farmers poor and consumers unsatisfied.

Chapter 7
Acknowledgement

We have taken effort to complete the project, however it wouldn't have been possible without the kind support of professor Dr. Arti Kashyap.Our thanks to TA Dr. Siba Ram Baral, Ruchika Mahajan and colleagues who have willingly helped us in the development of our project.