



EAST WEST UNIVERSITY

Shop Management System.

Course Name: **Mobile Application Development**

Course: **CSE489**

Section: 01

Group No: 06

Submitted By:

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Shop Management System.

Project Description:

An android and sqllite project on Shop Management System is an android based project and we developed some feature like add product, sell product, employee list , product stock on hand , register and login page.

Objective:

- 1.Users can easily find any item through this app.
- 2.Users can buy a lot in very short time..

Features:

Here we describe all pages and features with screenshots.

- **Page1 :**

Splash Screen : This is the front page of the app, here is the logo of the app and the names of those who created it.

- Feature 1: The app logo of the app that has been created.
- Feature 2: Information about those who created the app.
- Feature 3: With this, data is coming to sqllite from Fire Base.



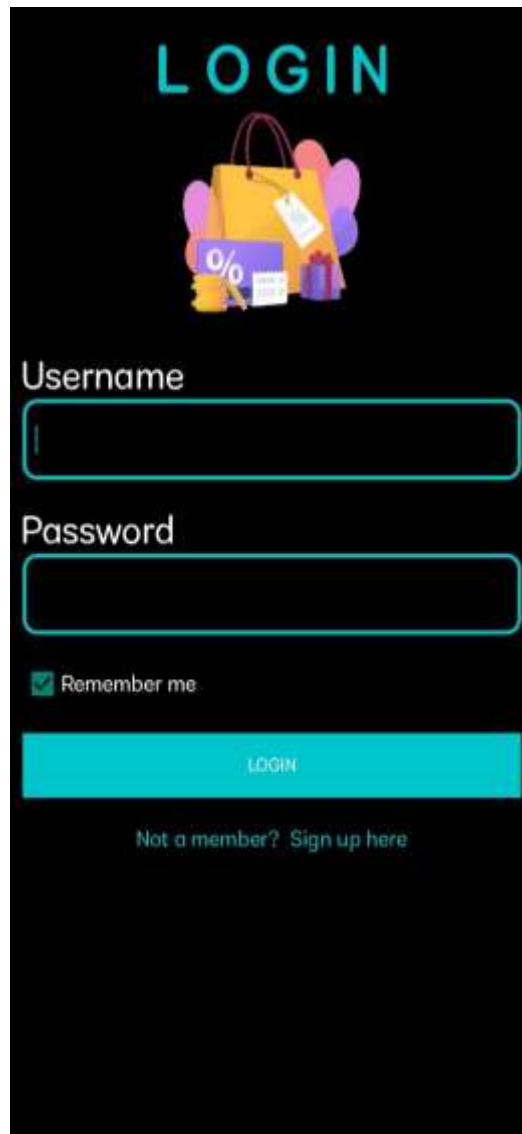
Prepared by
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Jahani Shabnam Chadni

Prepared by: *Jahani Shabnam Chadni*

- **Page 2:**

Login : This is the login page, in order to enter the app, if he is a member of the app, then he has to login with his information, username and password from here and if he is not a member, then he has to sign up.

- Feature 1: Checking whether the data of the person who wants to enter this app is entered and correct.
- Feature 2: If data is not entered then his information has to be entered through sign up

A mobile app login screen with a black background. At the top, the word "LOGIN" is written in large, bold, light blue capital letters. Below it is a colorful illustration of a shopping bag with a yellow tag that says "0%". Under the illustration, there are two input fields: the first is labeled "Username" and the second is labeled "Password", both with light blue borders. Below the password field is a checkbox with a light blue checkmark and the text "Remember me". At the bottom of the form is a wide, solid light blue button with the word "LOGIN" in black capital letters. Below the button, the text "Not a member? Sign up here" is displayed in a smaller, light blue font.

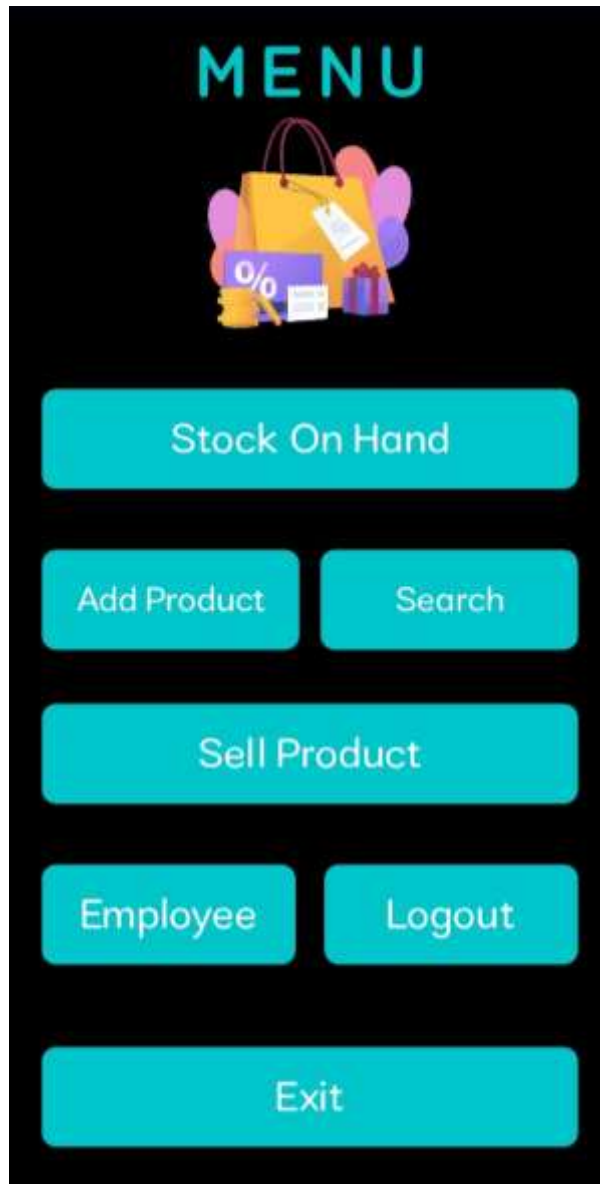
Prepared by: *Jahani Shabnam Chadni*

- **Page 3:**

Menu:

Feature 1: we can go any pages from here

Feature 2: we can also log out from here

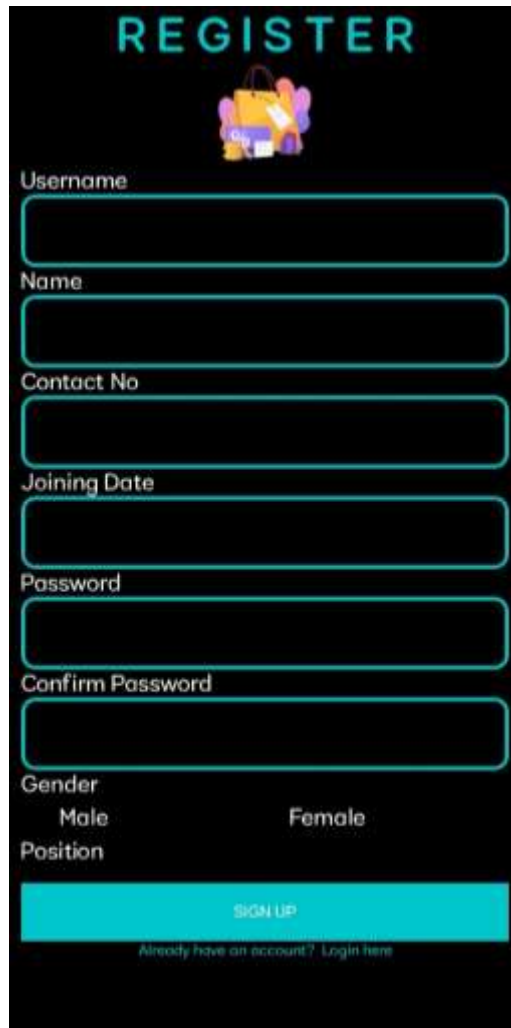


Prepared by: *Jahani Shabnam Chadni*

- **Page 4:**

Register: Here, if a new person wants to be a member of the app, then he has to sign up with all his information.

- Feature 1: New member needs to sign up with username, name, contact number, joining date, phone number, password, confirm password, gender and position.



REGISTER



Username

Name

Contact No

Joining Date

Password

Confirm Password

Gender
☐ Male ☐ Female

Position

SIGN UP

[Already have an account? Login here](#)

Prepared by: *Md. Mizanur Rahman Riad Khan*

- **Page 5:**

Stock on Hand: Here is a list of all the products in this app.

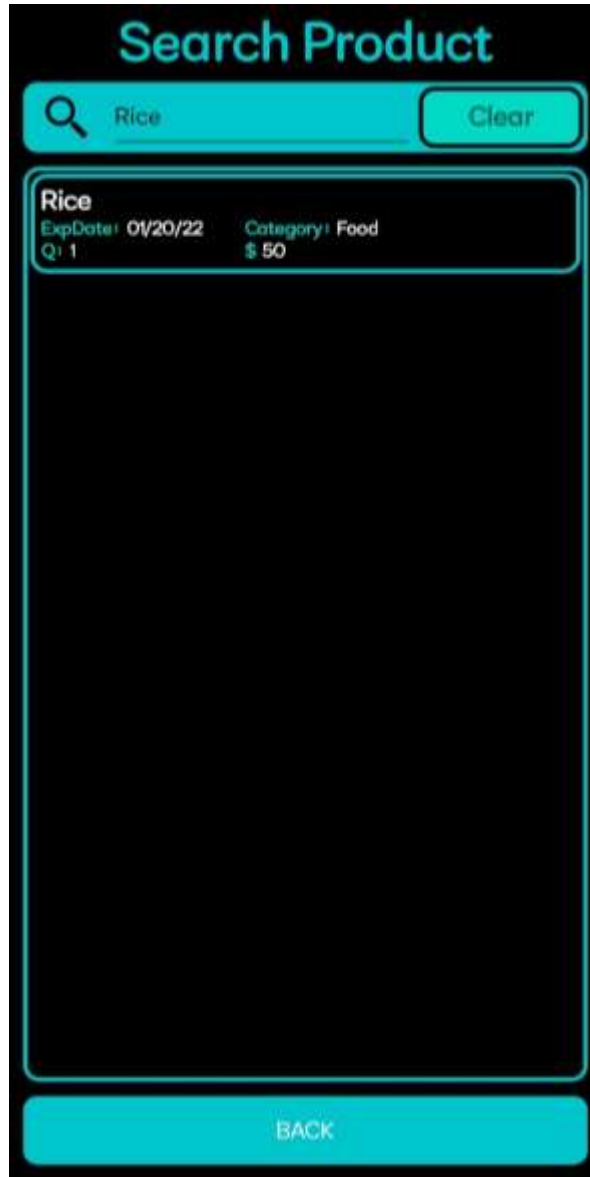
- Feature 1: Here all the products are divided into two categories, one is food and the other is nonfood.



Prepared by: Md. Mizanur Rahman Riad Khan

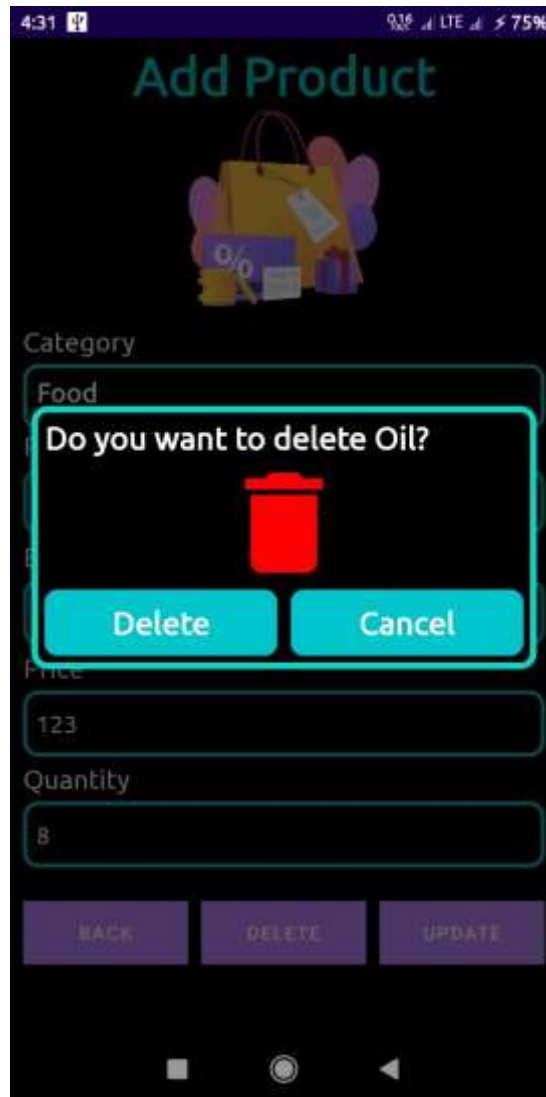
- **Page 6:**

Search: Here anyone can search which of the products in this app he want to see.



Prepared by: *Md. Mizanur Rahman Riad Khan*

Feature 1: Here anyone can search which of the products in this app he want to see.
Feature 2: Manager can delete or update product details from here.

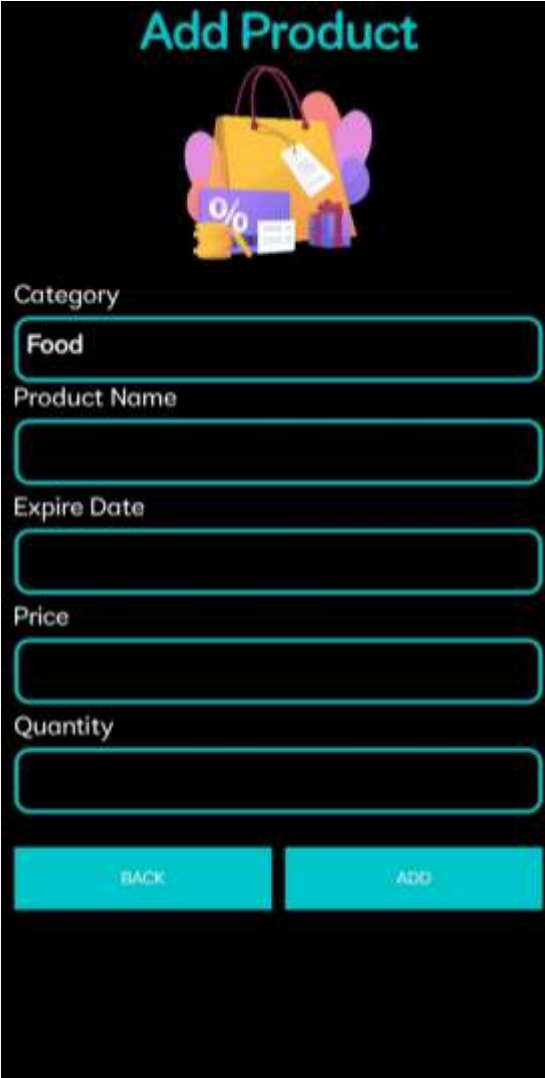


Prepared by: *Md. Mizanur Rahman Riad Khan*

- **Page 7:**

Add Product : In order to add any product, it can be food or non-food, whatever it is, you have to add it from this page.

- Feature 1: In order to add a product here, you have to give the information about the category of the product, the name of the product and the expiry date of the product and its price and how much the product has.

A mobile application form titled "Add Product" with a shopping bag icon. The form contains input fields for Category (with "Food" selected), Product Name, Expire Date, Price, and Quantity. At the bottom are "BACK" and "ADD" buttons.

Add Product

Category

Product Name

Expire Date

Price

Quantity

Prepared by: Md. Huzaifa

- **Page 8:**

Sell product: In order to buy a product, you have to enter from here how much you want to buy it.

- Feature 1: Have to enter here how many products want to buy.



- Feature 2:
The products that have been entered for purchase will be listed on the chart with the total price.

The screenshot shows a mobile application interface titled "Sell Product". At the top, there are two buttons: "Shop" and "Cart". Below these is a search bar with a magnifying glass icon and a "Go" button. The main area displays a list of items in a table format. Below the table is a large empty rectangular box. At the bottom, it shows the "Total Amount:" as "6056.0" and two buttons: "Back" and "Done".

Product Name	Quantity	Price
Solar Bulb DC	10	\$ 1990.0
Chatni	2	\$ 10.0
Table	3	\$ 3702.0
Bean	5	\$ 290.0
Local Cheese	1	\$ 64.0

Prepared by: *Md. Huzaifa*

- **Page 9:**

Employ List: Here is a list of all employees.

- Feature 1: Show the name of all employees, their joining date, gender and position.

Name	Gender	Position	Joining Date
emulator	Male	Manager	01/15/22
Huzaifa	Male	Manager	01/15/22
Jack	Male	Manager	01/28/22
Shabnam	Female	Manager	01/15/22
MD. Riad Khan	Male	Manager	01/12/22

Prepared by: Md. Huzaifa

Challenges and Opportunities:

- **List all challenges ,**
 - ✓ We had various hardware issues, such as RAM, which caused our computer to perform slowly.
 - ✓ It was tough to collaborate with team members via the internet.
 - ✓ We've had a lot of problems using Fire Base.
 - ◆ we have overcome all these problem.
- List all opportunities that our developed application can provide:
 - Reduce management cost
 - Tracking inventory in real-time
 - Helps to predict demand
 - Optimize employee time
 - Multi-location management
 - Reducing over stocking
 - Saving time, cost and effort
 - Improve inventory tracking across several warehouses or storage points
- Limitation:
 - Automatic alerts on low stocks
 - Automatic alerts on product expiry
 - Value for money
 - Customization challenges

Prepared by: *Md Mizanur Rahman Riad Khan*

Conclusion:

We studied how to create layouts such as linear layout, constraint layout, relative layout, grid layout, and so on. We also understand how to utilize android manifest.xml and adapter. These will undoubtedly assist us in developing additional apps in the future.