

Grocery Delivery App for Liyanage Supermarket

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DECLARATION

We certify that this project does not incorporate without acknowledgement, any material previously submitted for a Higher National Diploma in any institution and to the best of our knowledge and belief it does not contain any material previously published or written by another person or ourselves except where due reference is made in the text. We also hereby give consent for our project report, if accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations.

INTRODUCTION

We decided to choose Liyanage supermarket for our project. Liyanage is a leading supermarket chain in the country. So, it is a very busy place. Due to the abundance of work, people spend more time there.

Therefore, we decided to introduce an app that can order goods online for that company and reduce its workload to some extent. By using it, people can easily bring the materials they need to their homes. It also saves their time.

A supermarket shopping is an android application where users can purchase and order groceries online. The system is developed with a user-friendly and attractive GUI. It delivers a wide range of groceries available online. Users must first login into the system to view the groceries and add them into their cart.

The system functionality of products and orders is stored on server side in a web service. The android app is for client usage. It consists of client-side scripting for placing orders by connecting to the server side webservice.

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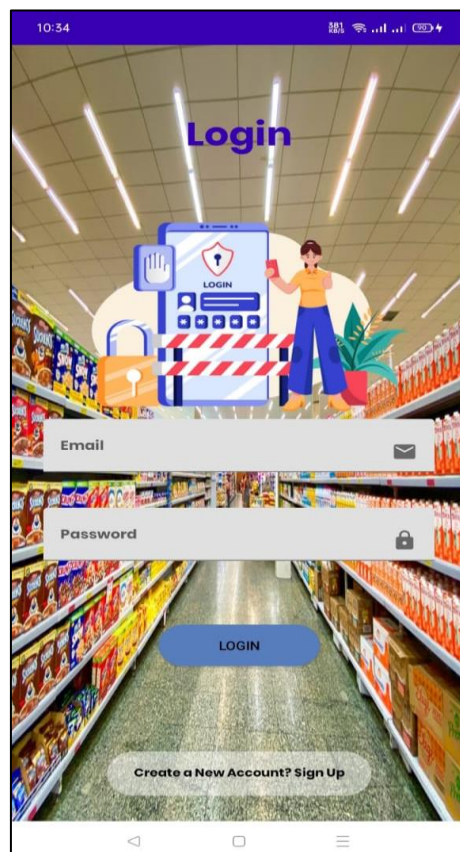
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INTERFACE DESIGN

Splash Screen



Login



Sign Up



The Sign Up screen features a vibrant background of various fruits and vegetables. At the top, the title "Sign Up" is displayed in a bold, blue font. Below the title, there are seven input fields for user registration: Full Name, NIC, Age, Address, Phone No, Email, and Password. Each field is accompanied by a small icon representing the type of information (e.g., a person icon for Full Name, a calendar for Age, a house for Address, a phone for Phone No, an envelope for Email, and a lock for Password). A blue "REGISTER" button is positioned below the input fields. At the bottom, a link "Already have an Account? Log In" is visible.

10:48

Sign Up

Full Name

NIC

Age

Address

Phone No

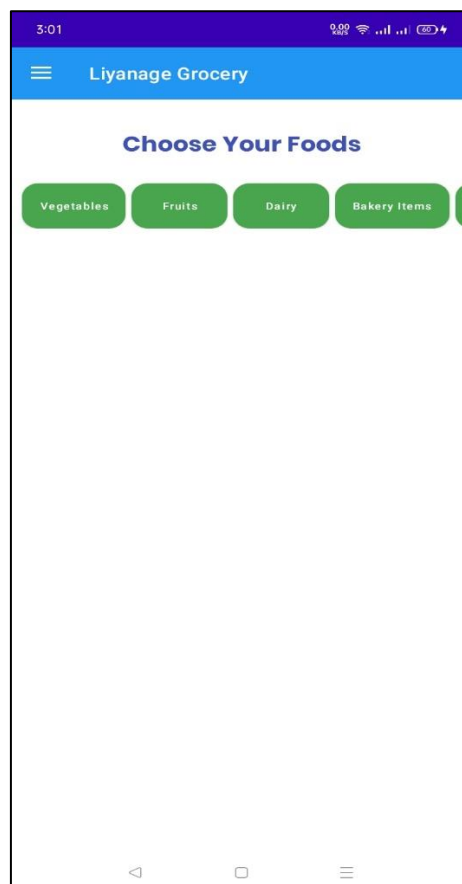
Email

Password

REGISTER

Already have an Account? Log In

Dashboard



The Dashboard screen has a clean, white background. At the top, there is a blue header bar with the text "Liyanage Grocery" and a hamburger menu icon on the left. Below the header, the title "Choose Your Foods" is centered. Underneath, there are four green buttons labeled "Vegetables", "Fruits", "Dairy", and "Bakery Items". The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

3:01

Liyanage Grocery

Choose Your Foods

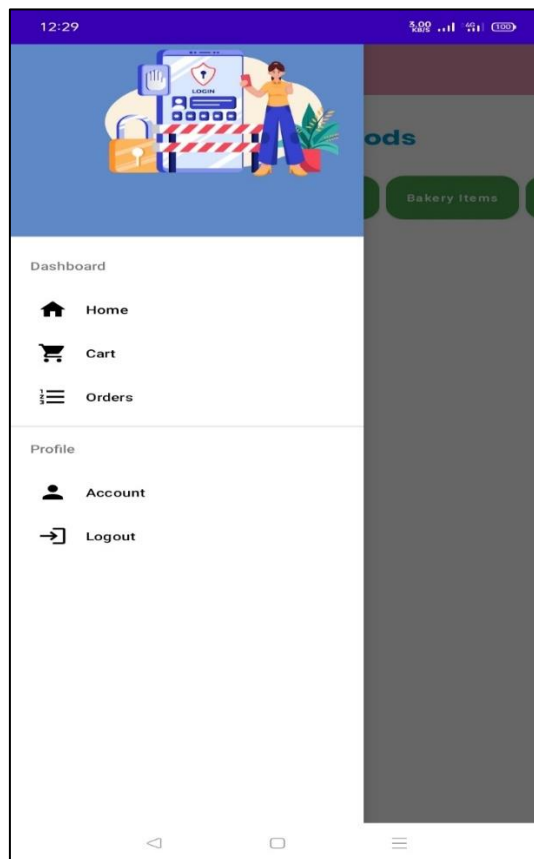
Vegetables

Fruits

Dairy

Bakery Items

Navigation View



Cart



Orders

The screenshot shows the 'Your Orders' screen of the Liyanage Grocery app. At the top, there is a status bar with the time 3:04 and various icons. Below it is a blue header bar with a hamburger menu icon and the text 'Liyanage Grocery'. The main content area has a title 'Your Orders' in blue. Below the title are two green buttons: 'Pending Delivery' and 'Received'. Under these buttons is a search section with the text 'Order ID:' followed by a text input field and a blue 'Search' button. At the bottom of the screen is an Android-style navigation bar with back, home, and recent apps icons.

Profile Edit

The screenshot shows the 'Your Profile' screen of the Liyanage Grocery app. At the top, there is a status bar with the time 3:04 and various icons. Below it is a blue header bar with a hamburger menu icon and the text 'Liyanage Grocery'. The main content area has a title 'Your Profile' in blue. Below the title is a form with six rows, each with a label on the left and an input field on the right: 'Name' with 'Full Name', 'NIC' with 'NIC', 'Age' with 'Age', 'Address' with 'Address', 'Phone No' with 'Phone No', and 'Email' with 'Email'. At the bottom of the form is a large blue button with the text 'EDIT'. At the very bottom of the screen is an Android-style navigation bar with back, home, and recent apps icons.

Profile Update

The screenshot shows a mobile application interface for updating a user profile. At the top, there is a status bar with the time 3:05 and various connectivity icons. Below this is a blue header bar with a hamburger menu icon on the left and the text 'Liyanage Grocery' in the center. The main content area is white and titled 'Your Profile' in blue. It contains a list of profile fields: Name (with a sub-label 'Full Name'), NIC, Age, Address, Phone No, and Email. Each field has a corresponding input line. At the bottom of the form is a large green button labeled 'UPDATE'. The very bottom of the screen shows the standard Android navigation bar with back, home, and recent apps icons.

Name	Full Name
NIC	NIC
Age	Age
Address	Address
Phone No	Phone No
Email	Email

UPDATE

DEVELOPMENT

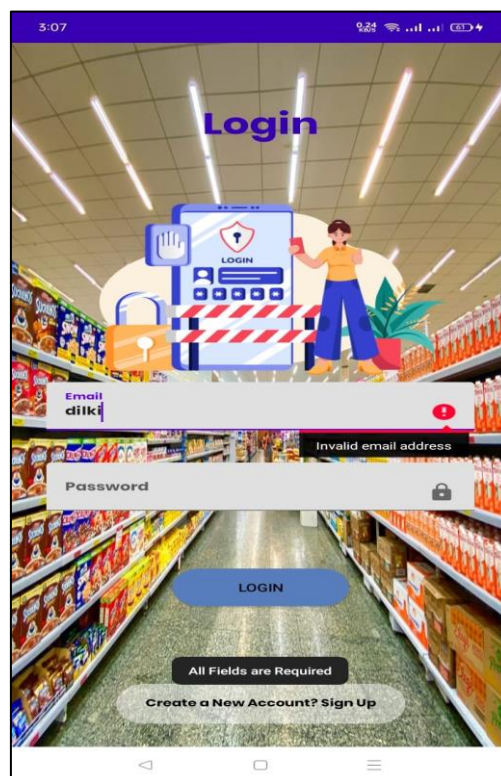
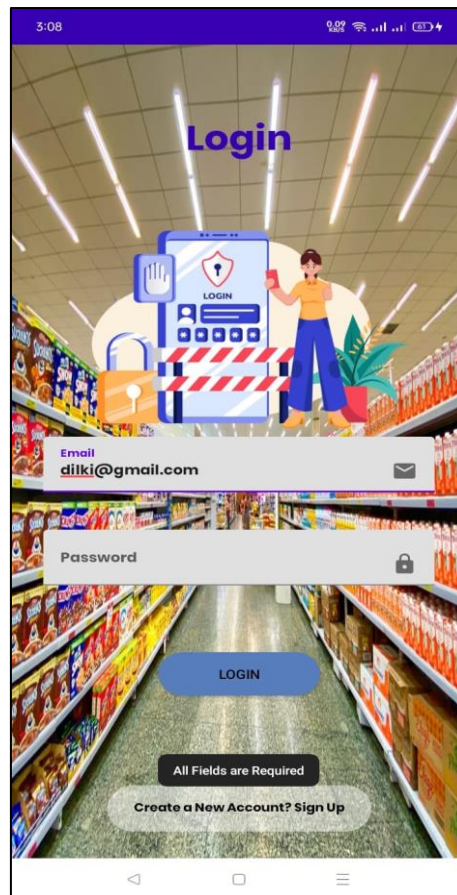
Hardware Requirements

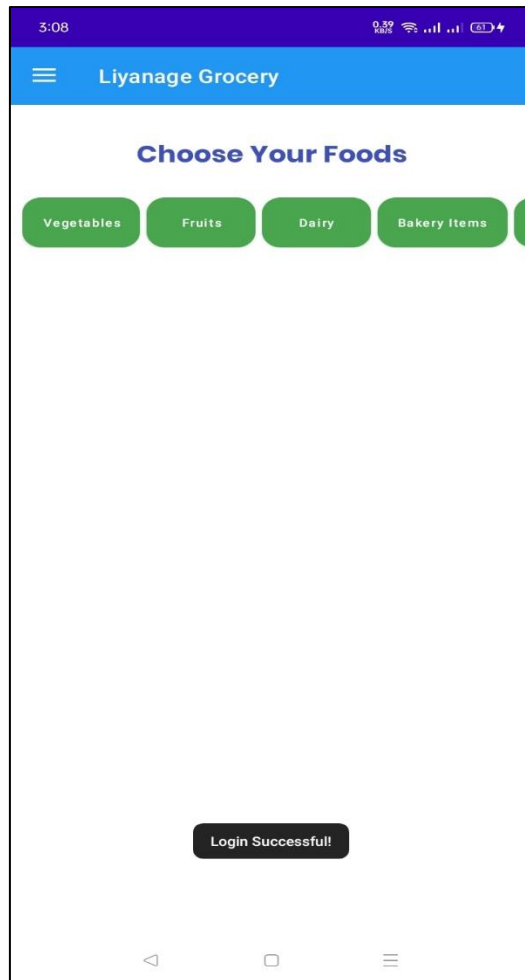
- CPU: Intel Core™ i5-10210U CPU @ 1.60GHz
- RAM: 8GB
- OS: Windows11, Windows10, Windows8, Windows, Windows Vista

Software Requirements

- Android Studio Chipmunk Version
- Android Phone

TESTING





10:34

Sign Up

Dilki Kodikara

974390876v

25

Weligama

0715236984

Invalid email address

Invalid email address

REGISTER

Already Registered? Log In

All Fields are Required

10:35

Sign Up

Dilki Kodikara

974390876v

25

Weligama

0715236984

Registration Failed!

Registration Failed!

REGISTER




Already Registered? Log In

Registration Failed!



The screenshot shows the Lyanage Grocery app interface. At the top, there's a blue header bar with the app's logo and a hamburger menu icon. Below the header, the title 'Your Orders' is displayed in a bold, blue font. Underneath the title, there are two green buttons: 'Pending Delivery' and 'Received'. Below these buttons is a search bar with the placeholder text 'Order ID:' and a blue 'Search' button. At the bottom of the screen, there is a black button with white text that says 'Please Enter Order ID!'.

3:06

9.88%

Liyanage Grocery

Your Profile

Name

Full Name

NIC

NIC

Age

Age

Address

Address

Phone No

Phone No

Email

Email

User Profile

UPDATE

SUMMARY

Firstly, we should have to visit the organization and gather all the relevant requirements. First, we have analyzed their existing system and identify major drawbacks of the current system and this system has been created by avoiding the identified disadvantages and introducing new features. After got the order, they can give feedback relevant to the deliver or not. In our project, we create smart screen applications by using Android Studio and we use Firebase Console databases to implement our project. And as a conclusion we believe this mobile application will be good grocery delivery app.

REFERENCES

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<https://www.google.com/search?q=vegetables+images>

Bibliography: W3School (2022) Available at: <https://www.w3schools.com/>

Bibliography: supermarket (2022) Available at:
<https://www.google.com/search?q=images+for+supermarket>