

## **REPORT OF INTERNSHIP DONE AT SOFTMONKS PRIVATE LIMITED**

**Bazar Khata (Vendors)**



**Bazar Khata**

**MOHIT GURUNATH BORKAR**

**2008**

**SOFTMONKS PRIVATE LIMITED**

**GOA UNIVERSITY**

**Bazar Khata (Vendors)**



**Bazar Khata**

**Completed by**

**MOHIT GURUNATH BORKAR  
2008**

**for the partial fulfillment of  
MCA Degree for Semester VI  
Discipline of Computer Science and Technology,  
Goa Business School,  
Goa University**

**At  
SOFTMONKS PRIVATE LIMITED  
Khorlim, Mapusa - Goa**

**Under the guidance of**

**Shivprasad Ajgaonkar  
( Managing Director )**

**&**

**Devayani Sirsat  
( Project Lead )**





**SOFTMONKS**  
we make it possible

**SoftMonks (OPC) Private Limited**  
CIN: U72200GA2015OPC007747

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Khorlim-Xim, Mapusa, Goa - 403507 (INDIA)  
Cell: +91 982-211-3668 Phone: +91 832-297-6622  
info@softmonks.com www.softmonks.com

## TO WHOMESOEVER IT MAY CONCERN

This is to certify that **Mr. Mohit Gurunath Borkar** was employed with us as an **"Intern"** from January 2, 2023 to June 30, 2023 in the capacity of **Software Developer**.

During his tenure of service with us we found him sincere, hardworking and enterprising. He was efficient in his work and capable of handling the work assigned to him, effectively. His major contributions during the internship was as follows:

- Developing Mobile Billing System App.
- Acquired in depth knowledge of Flutter, Dart, Mobile App development, etc.
- Worked to create test cases to debug and test the application.

We issue this certificate to thank him for being such a good addition to the team and the company here. For whatever small time, and wish him all the best in his future endeavors.

**SoftMonks (OPC) Private Limited**

  
Managing Director

**Shivprasad Mangesh Ajgaonkar**



Place: Mapusa, Goa

Date: June 12, 2023



## GOA BUSINESS SCHOOL

### CERTIFICATE OF EVALUATION

This is to certify that Mr. MOHIT G. BORKAR has successfully completed his internship at SOFTMONKS Private Limited ,Khorlim-Xim, Mapusa, in partial fulfillment of the award of the degree in Master of Computer Application.

Examiner 1

Examiner 2

Place: Goa University

Date: 14/06/2023

Dean, Goa Business School



## ACKNOWLEDGMENT

The Internship opportunity I had with SoftMonks was a great chance for learning and growing at a professional level. Therefore, I feel blessed and lucky to be a part of it.

I would like to thank the Managing Director of SoftMonks, Mr. Shivprasad Ajgaonkar for giving me the internship opportunity at SoftMonks.

I would also specially like to thank Ms. Devayani Sirsat, Mr. Valencio Araujo and all the SoftMonks colleagues for their constant support, encouragement, guidance and their valuable time for me.

Last but not the least, I would like to thank the Department of Computer Science and Technology, Goa University for their constant support and encouragement.



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**Under the guidance of**

**Shivprasad Ajgaonkar  
( Managing Director )**

**&**

**Devayani Sirsat  
( Project Lead )**



Date: 13 June 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. \_\_\_\_\_, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing/has completed his/her final semester project (Semester VI) at our organization/company, SOFTMONKS Private Limited from 2 / 1 / 2023 to EndDate.

During his tenure he has met the expectations of his team lead/mentor/guide and found to be regular and sincere.

This certificate is being issued on his request to be submitted with the project report at Goa University.

The final internship completion certificate will be provided on completing his internship.

Your Sincerely

**Shivprasad Ajgaonkar**  
( Managing Director )

**Devayani Sirsat**  
( Project Lead )





## GOA BUSINESS SCHOOL

### CERTIFICATE OF EVALUATION

This is to certify that Mr. \_\_\_\_\_ has successfully completed her internship at SOFTMONKS Private Limited ,Khorlim-Xim, Mapusa,in partial fulfillment of the award of the degree in Master of Computer Application.

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## **Introduction**

This report is a short description of my full-time on-site internship at SoftMonks.

I joined this company as an Intern on 2 January 2023 and have been here since then. This report contains necessary information about the organization, the mini projects I worked on and the other tasks I completed in this internship period.

In this report I shall talk about the company's work and culture. Then I shall elaborate on the projects I worked on as an intern and provide a brief information about the projects, modules, and the tasks I have completed in this internship period.

This report highlights my learning experience and my contributions to the organization as an intern. This will describe the knowledge that I gained by successfully completing the tasks that were assigned to me.

I will also be talking about the Tools and technologies that were used throughout my Internship time period.

I shall conclude by sharing my experience and how it has helped me to grow myself towards personal and professional life.

## Company Profile



### About SoftMonks

SoftMonks (opc) Private Limited is a Private incorporated on 25 October 2015. It is classified as Non-govt company and is registered at Registrar of Companies, Goa. It is involved in Software publishing, consultancy and supply software, operating systems software, business & other applications software.

Overall, the company's expertise in cross-platform e-commerce, marketing, and content management enables them to design comprehensive programmes that combine all of these elements flawlessly. Their main areas of expertise are Android ,iOS, Gaming, Web based software using PHP, MYSQL, HTML/CSS, JAVASCRIPT. This integrated approach promotes client pleasure and involvement, which eventually enhances business growth and success.

SoftMonks believes in perfection.They follow the "Software Development Life Cycle" and ensure that all products developed by them are well tested by their usability experts. Select the finest technology depending on the needs of the client and deliver software through a series of complex permutations and combinations to achieve the highest quality.

The company primarily follows three letters that differentiate them , which are

- **“LISTEN”** : The company listens to all requirements, researches the client's business model, understands their queries, and target audience for building perfect software.
- **“THINK”** : After hearing all the requirements, researching the business model, and determining the target audience for building your perfect software.
- **“DEVELOP”** : Based on needs and research, they create your programme using the greatest technology available.

## **My Designation in Company and Important Roles Performed as an Intern**

As a Flutter developer during my internship, I played a crucial role in developing innovative mobile applications using the Flutter framework.

Alongside my two other classmates (Sahil Belurkar [2006] & Danish Dharwadkar [2012]), we collaborated on a significant project, which is outlined in detail in our problem statement. Together, we successfully implemented various features and functionalities, ensuring a seamless and user-friendly experience for the end-users.

Throughout the internship, I actively participated in code reviews, bug fixing, and optimization efforts, showcasing my dedication to delivering high-quality software solutions.

My contribution as a Flutter developer allowed me to sharpen my skills, gain valuable industry experience, and contribute to the success of the team.



## **Problem Statement**

The current state of vendor operations lacks efficient and streamlined management of product pricing, inventory, and sales transactions. Vendors often face challenges in accurately calculating product costs, determining optimal inventory levels, and maintaining a clear record of transactions. This results in potential financial losses, inefficient inventory management, and missed business opportunities.

Key issues include the absence of a centralized platform for calculating product prices and determining total units required, limited access to up-to-date market trends and pricing information, inadequate tracking of inventory levels, and difficulties in managing transaction records.

Without a comprehensive solution, vendors struggle to make informed decisions regarding product pricing and inventory management, leading to potential overstocking or understocking, which in turn impacts revenue and profitability. Additionally, the absence of an accurate and efficient transaction management system hinders the vendors' ability to track sales, payment status, and overall financial performance.

## Overview

To address the above challenges, our app aims to provide vendors with a user-friendly and efficient platform for managing product pricing, inventory, and sales transactions. The app's main page will offer a robust platform for calculating product prices and determining the required inventory levels, enabling vendors to make informed decisions quickly and accurately.

The inventory page will provide vendors with access to recent prices and products, ensuring they stay up-to-date with market trends and pricing. This information will empower vendors to stock the right products at competitive prices, optimizing their inventory management strategies.

The sales page will enable vendors to effectively track his weekly sales and show sales based on single products, providing them with a clear understanding of their product sales.

The transaction page will offer a comprehensive view of all transactions, displaying vital details such as the total bill, purchased quantities, payment mode, and payment status. Vendors will have the option to add items for pending payments and generate accurate bills, ensuring a precise record of transactions and simplified financial management.

By implementing our app, vendors will have access to inventory tracking, transaction management, and pricing calculators, equipping them with the necessary tools to complete their operations, save time, and increase profitability. This solution will address the existing challenges and empower vendors to run their businesses more efficiently and effectively.

## **My Contributions**

### ➤ **Drawer:**

I worked on implementing the drawer functionality, which included

- creating the QR page,
- Help page,
- App info page,
- Exit page.

This involved designing the user interface and functionality for each page and integrating them into the drawer navigation.

### ➤ **Google pay QR code research**

I did research on google pay QR code to apply it into payment method. I started working on that but After several try I could not able to get desire result so after discussing with my team mate we come up with an idea of QR image upload through mobile phones.

### ➤ **Inventory (Product List)**

I worked on Inventory page, which likely involved displaying unique product with the updated price. Worked on designing the layout, fetching and presenting it in a user-friendly manner.

### ➤ **Calendar:**

I did research on Calendar and also worked on development of the calendar range. I utilize date\_range\_picker for making calendar. This involve allowing the users to select date range.

### ➤ **Suggestions for Inputs:**

I worked on auto-suggestions to make data entry more efficient and accurate. The product list was then utilized in the suggestion list on the home page, which also automatically filled the price text field of the corresponding product.



➤ **Sorting Transactions:**

Additionally, I implemented the functionality to sort transactions based on Cash and UPI. This feature allows users to categorize and view transactions specifically related to Cash or UPI payments, providing them with better organization and easier access to the desired information.

➤ **Statistics Page:**

I worked on the Statistics page, which involves adding statistics to the app bar, this providing a graphical representation of the total sales achieved within a given time period and broken down by payment mode. This feature helps users gain insight into their cash flow by providing an overview of their sales performance

➤ **Sales Page:**

I contributed in the development of the sales page, I utilized FI\_charts to implement graphs that display the top 10 product sales of the week, where users can select a calendar range and product. It generates a graph and also total quantity sold and the corresponding total amount. This feature provided users with valuable insights into sales performance and enhanced the overall user experience.

➤ **Theme Change:**

I had also implemented theme to change the App color from light to dark in separate module. But it was Unable to work in our main projects due to some issue.



Flutter is an open source framework developed and supported by Google. Flutter launched in 2018, it mainly supported mobile app development. Cross-platform app development allows developers to use one programming language and one codebase to build an application for multiple platforms. Flutter now supports application development on six platforms: iOS, Android, the web, Windows, MacOS, and Linux.

Flutter uses the open-source programming language Dart, which was also developed by Google. Dart is optimized for building UIs, and many of Dart's strengths are used in Flutter.

### **Benefits of Flutter App Development**

1. Flutter is a Cross-platform Development Framework
2. Fast Development due to "Hot Reload" feature
3. Highly Customizable UI Design
4. A Wide Variety of Rich Widgets
5. Access to Native Features
6. Publicly Accessible
7. Better Performing with the Dart, Skia, and DevTool

## Tools and Technologies Used

- **Visual Studio Code**



Visual Studio is a powerful developer tool that you can use to complete the entire development cycle in one place. It is a comprehensive integrated development environment (IDE) that you can use to write, edit, debug, and build code, and then deploy your app.

- **Flutter**



Flutter is Google's portable UI toolkit for crafting beautiful, natively compiled applications for mobile, web, and desktop from a single codebase. Flutter works with existing code, is used by developers and organizations around the world, and is free and open source.

- **Canva**



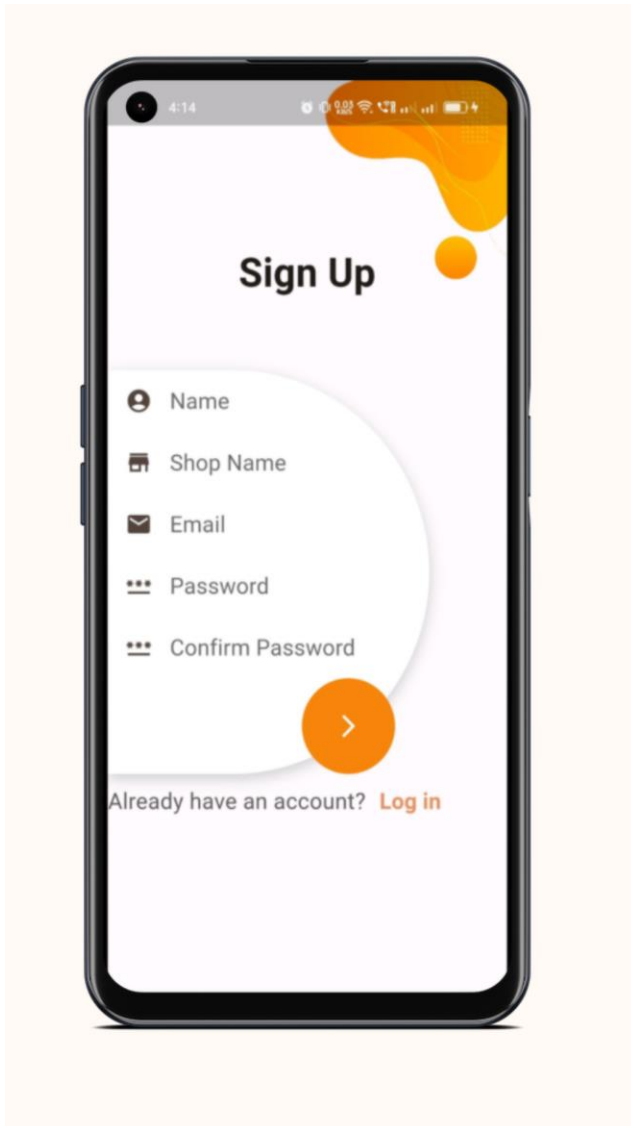
Canva is used to make designing beautiful creative assets easy for everyone. From social media images, videos and gifs to posters, websites, booklets, multimedia presentations, and heaps more, Canva is an invaluable tool for helping level up users' design skills, even if users are just getting started.

### **Libraries Used**

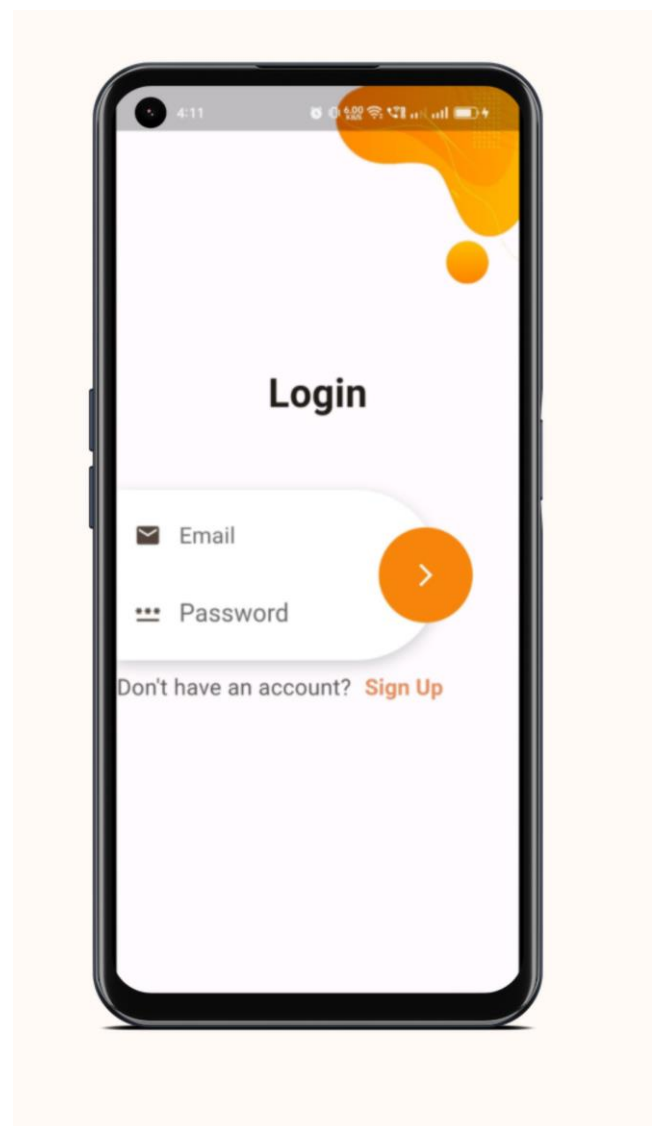
- **Sqlflite**
- **Image\_cropper**
- **Fl\_charts**
- **Date**
- **Syncfusion\_flutter\_pdf**

## Screenshots

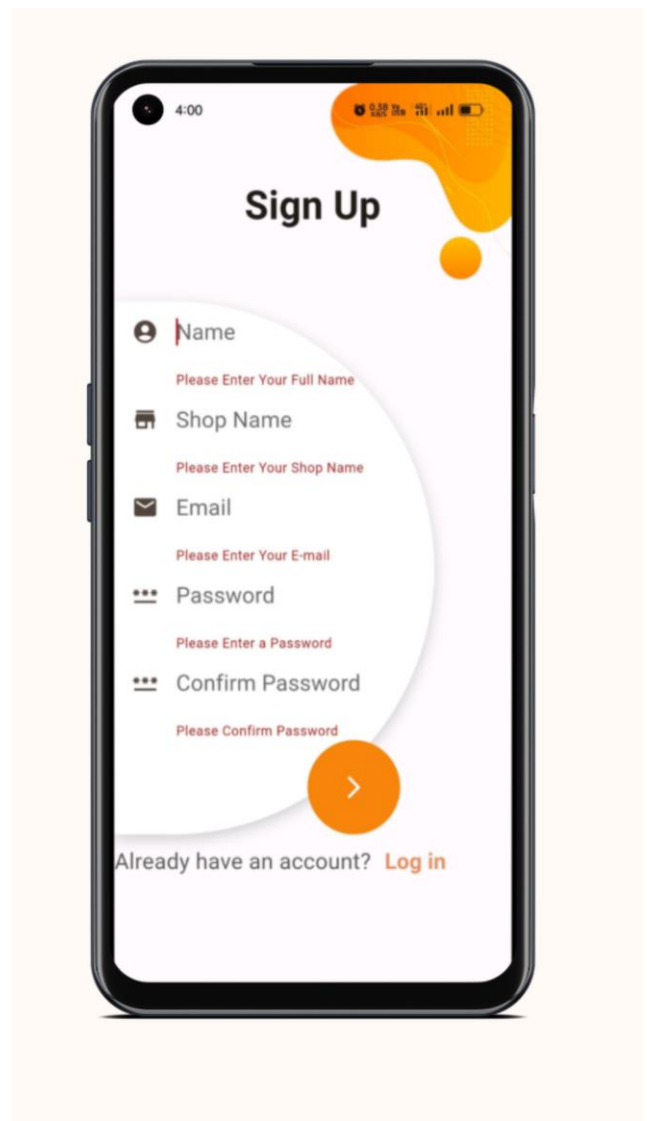
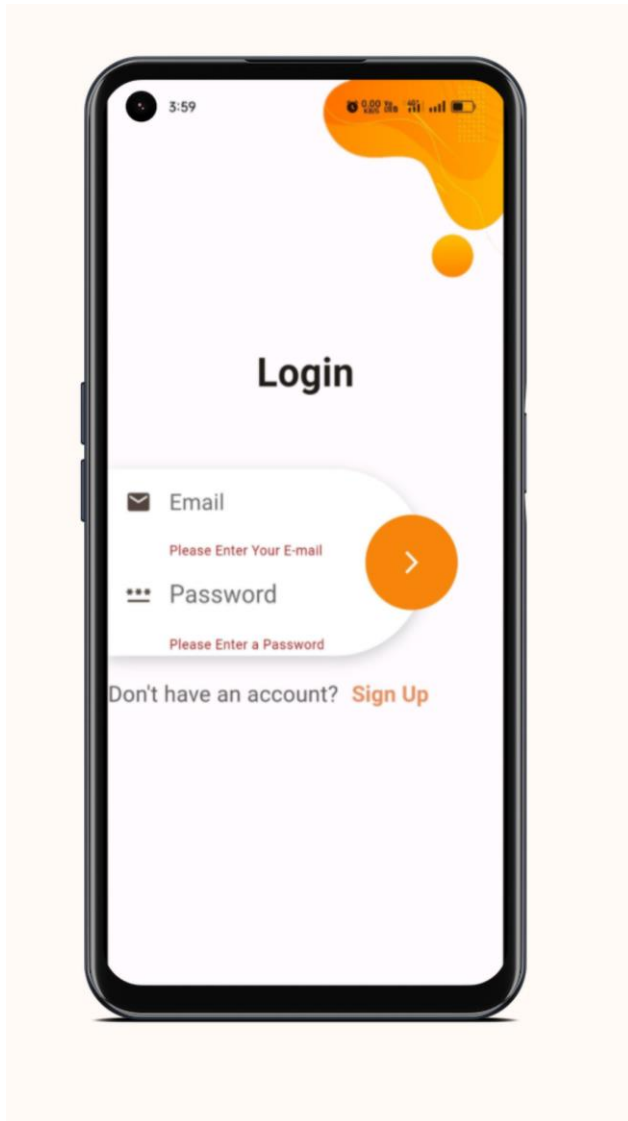
Sign Up Page



Login Page



## Validation of Login & Sign Up Page





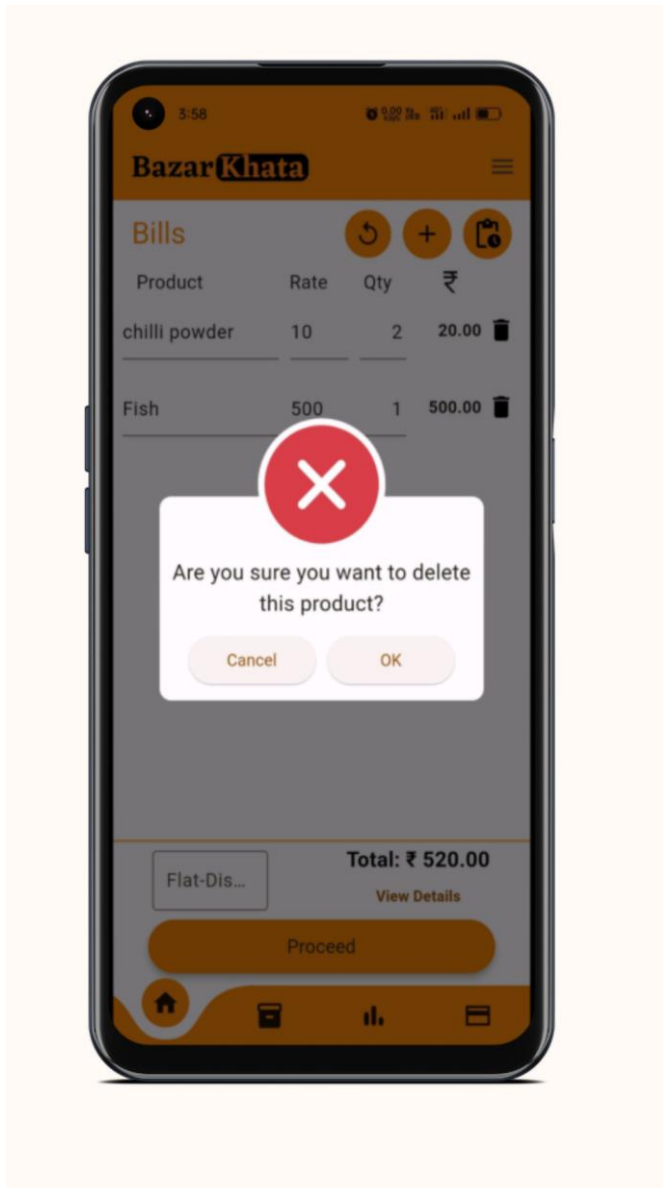
Home Screen



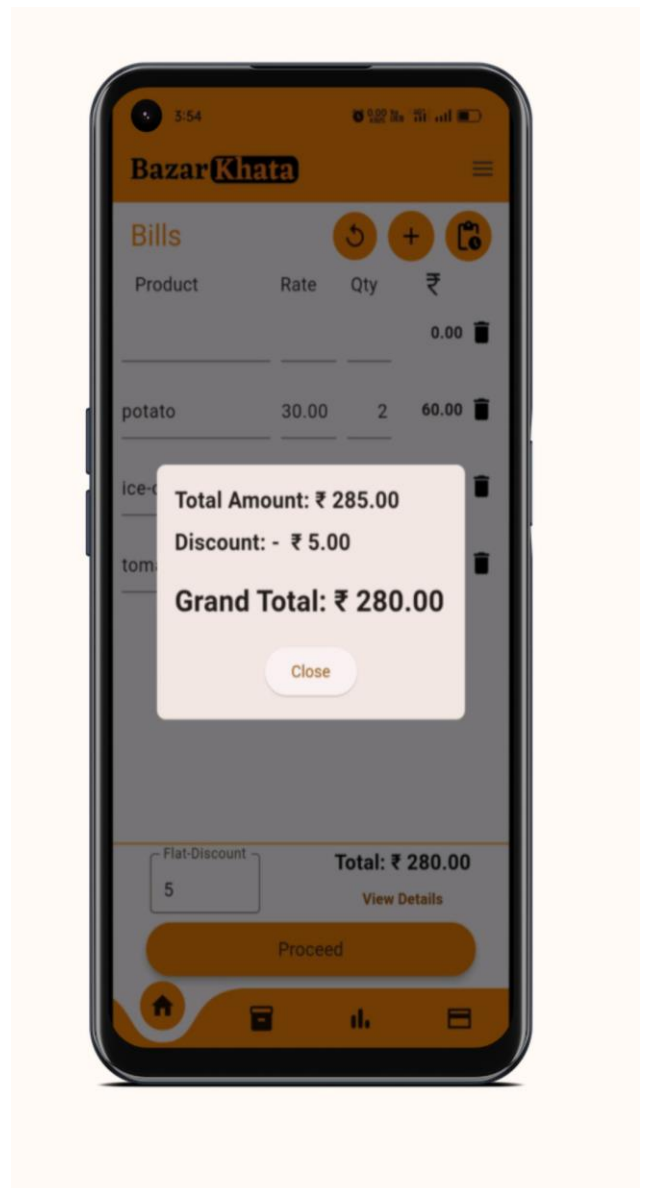
Filling Product Details



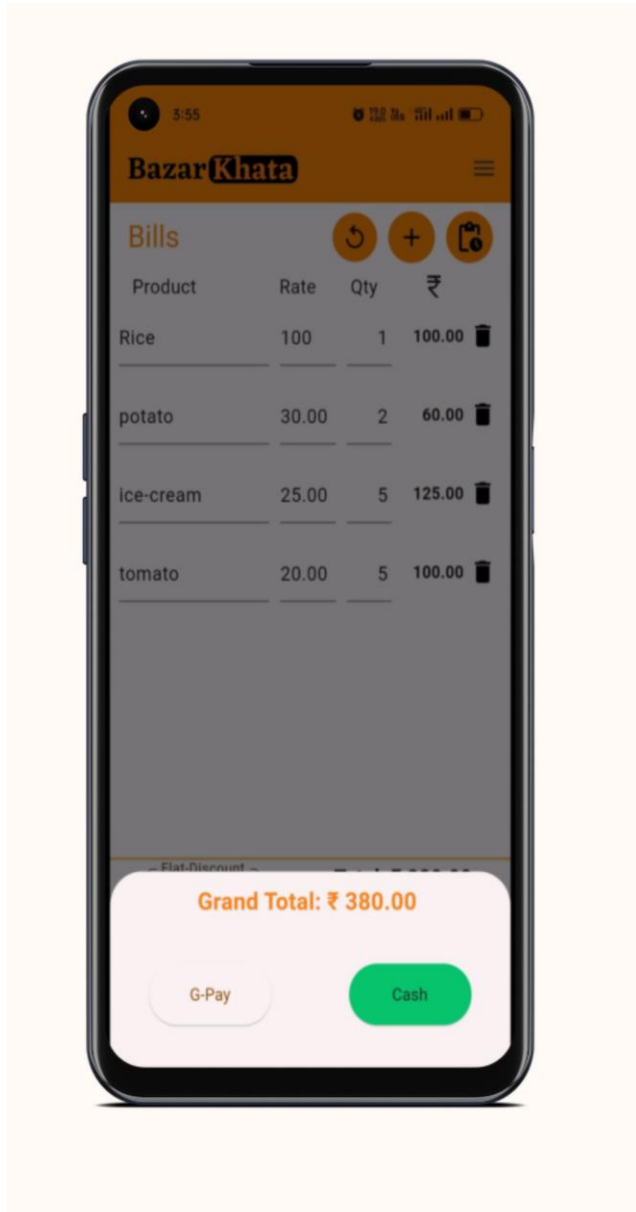
## Pop Up before deleting Product



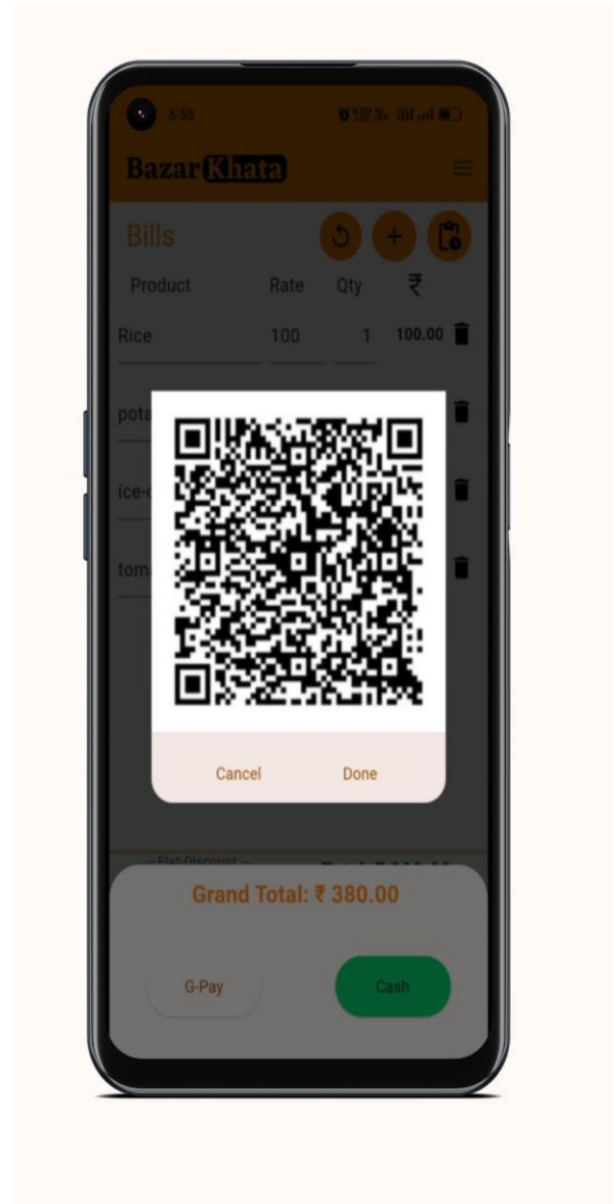
## View total, Disc. & Grand total



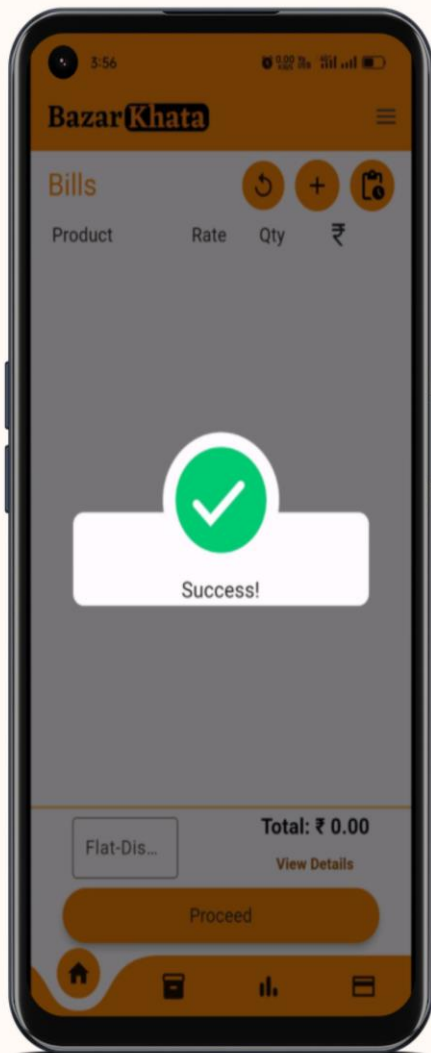
## Cash and Gpay Pay Option



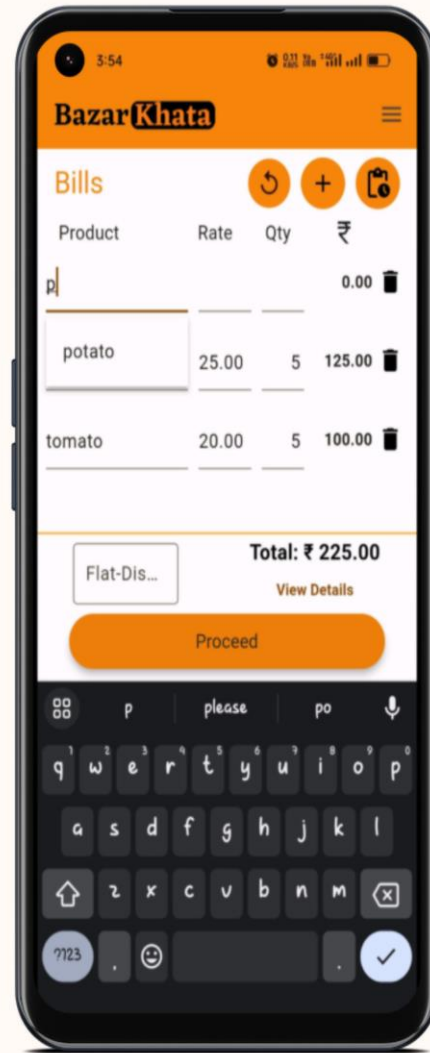
## QR code Image



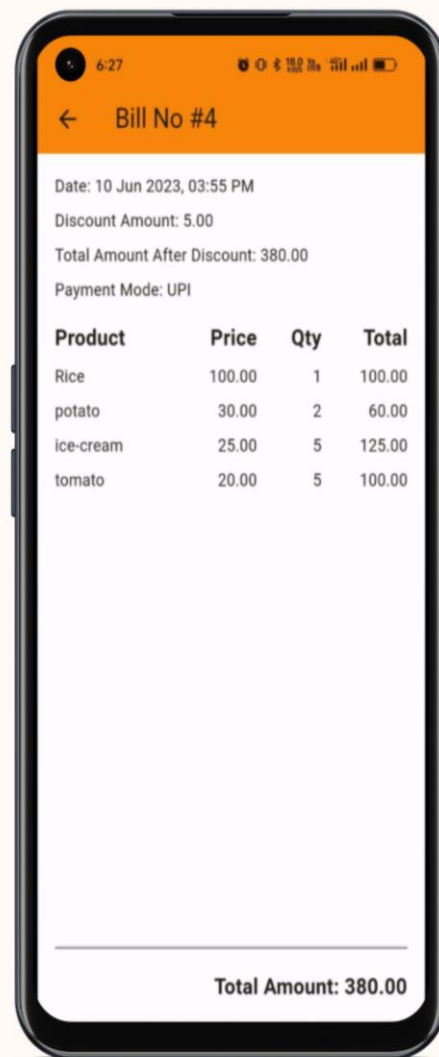
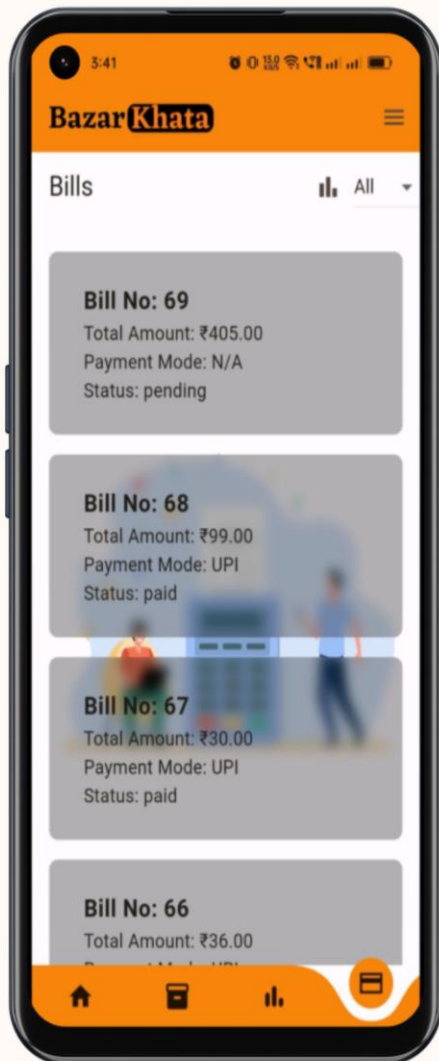
## Payment done



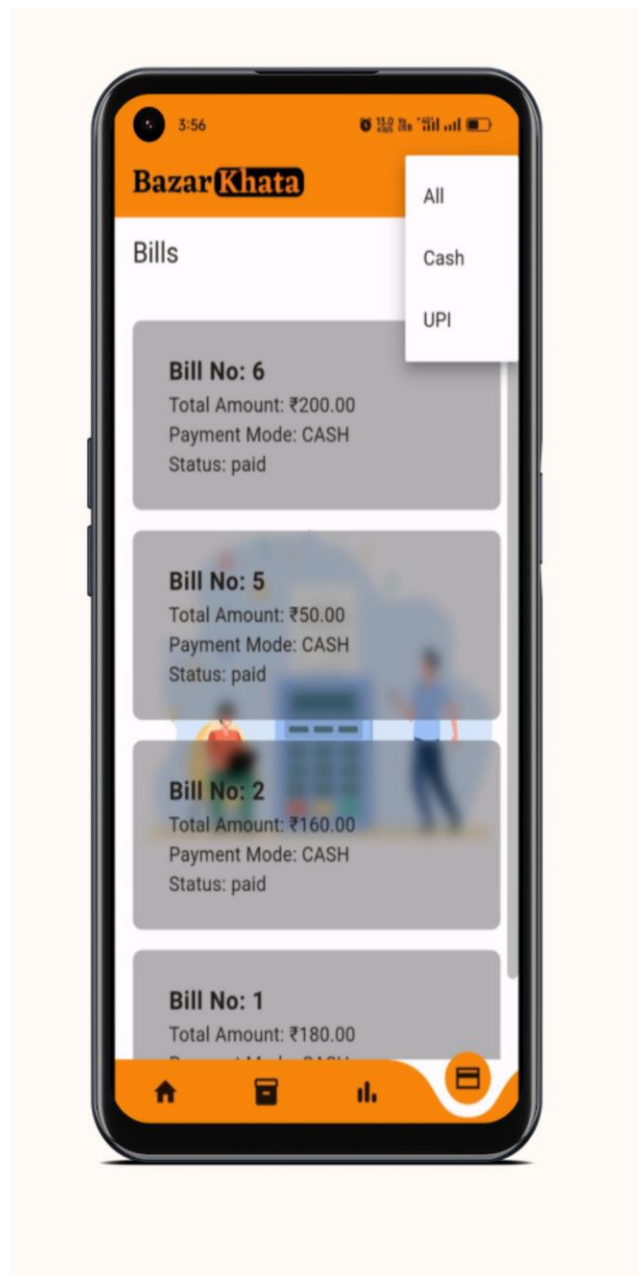
## Auto Suggestion



## Bills

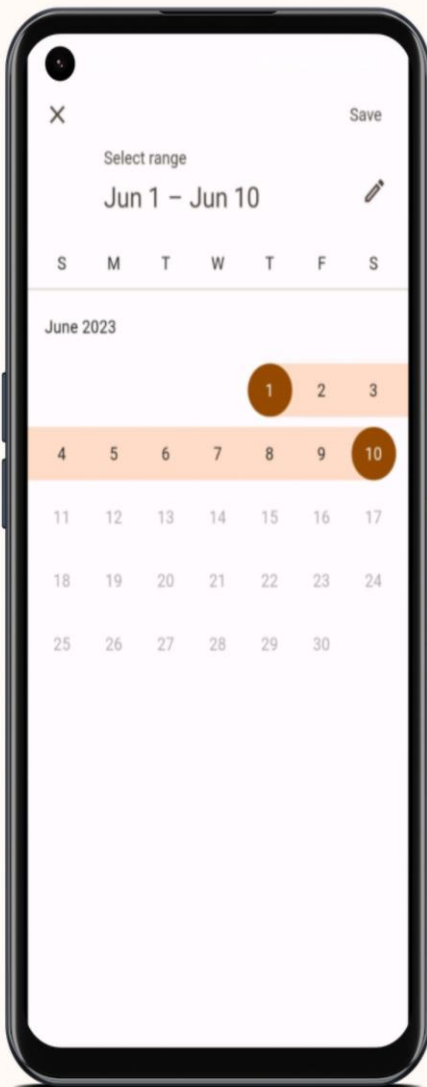


## Sorting Bills

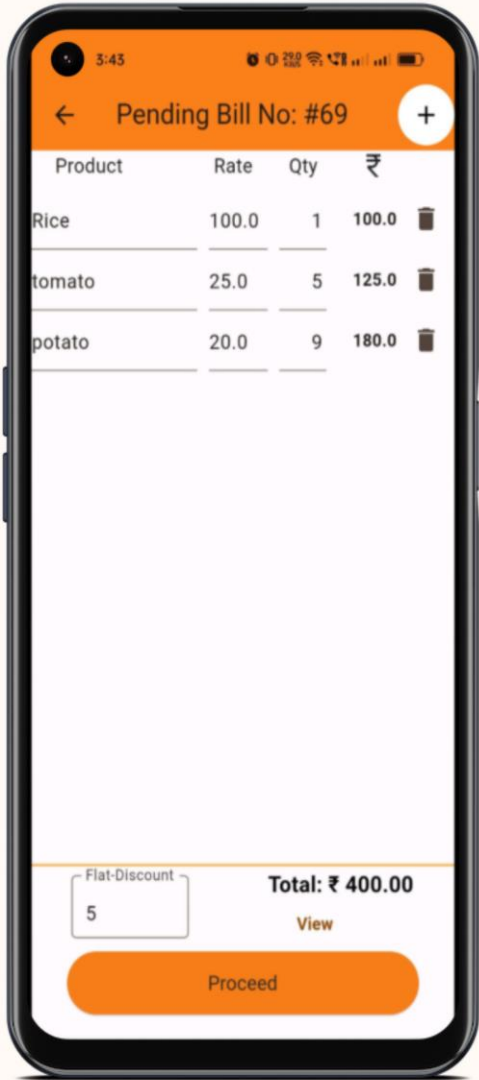
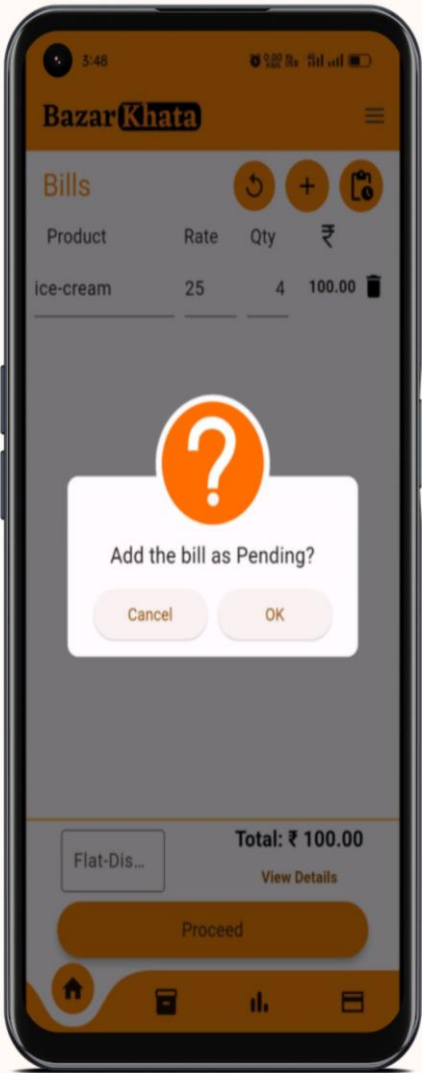




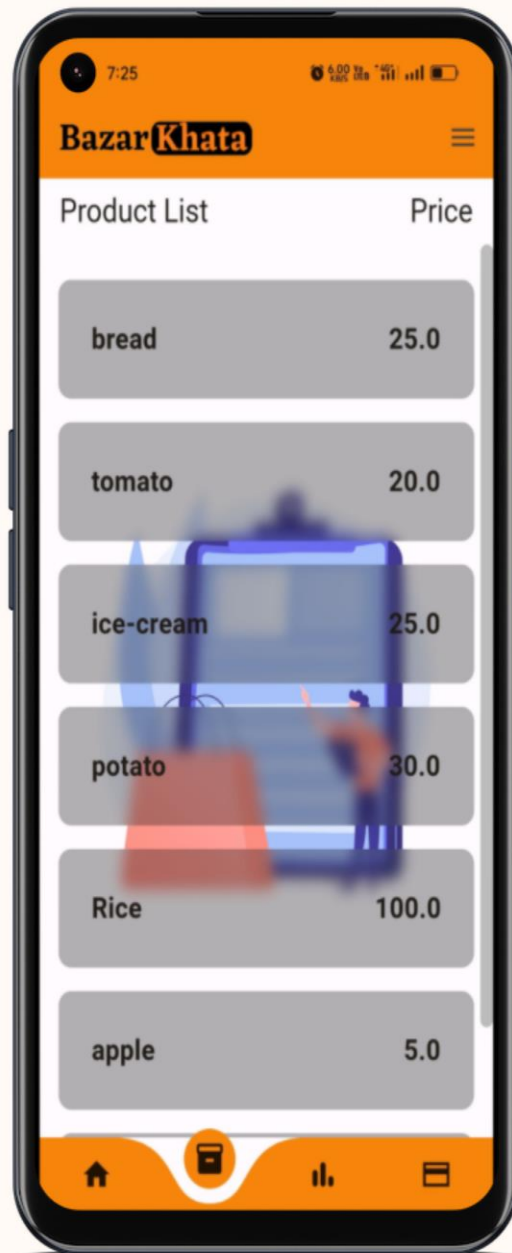
## Statistics Page



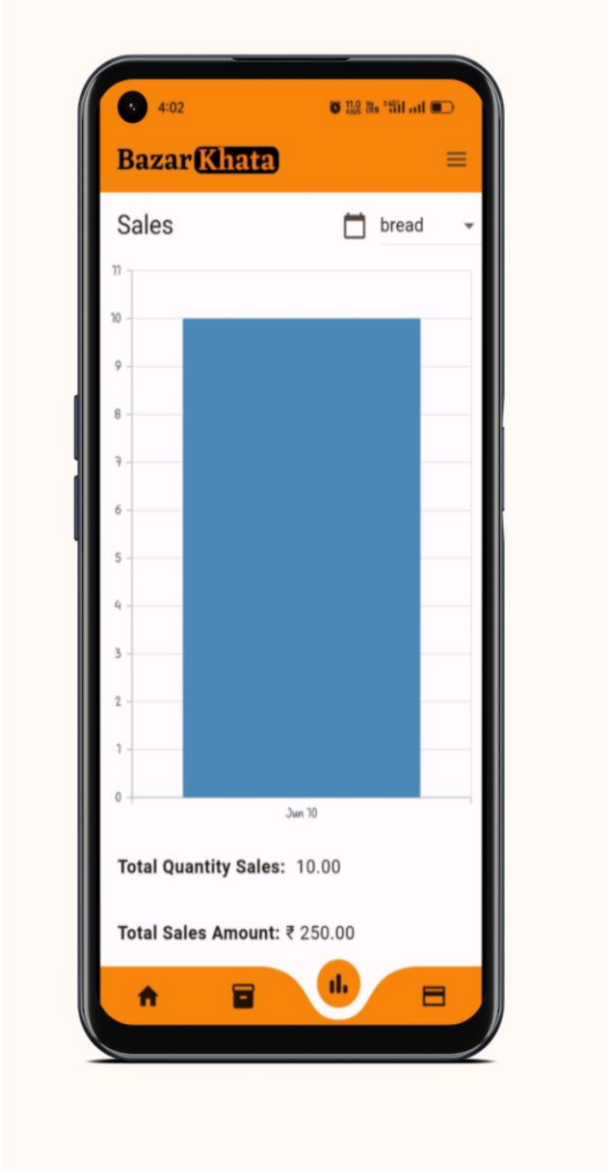
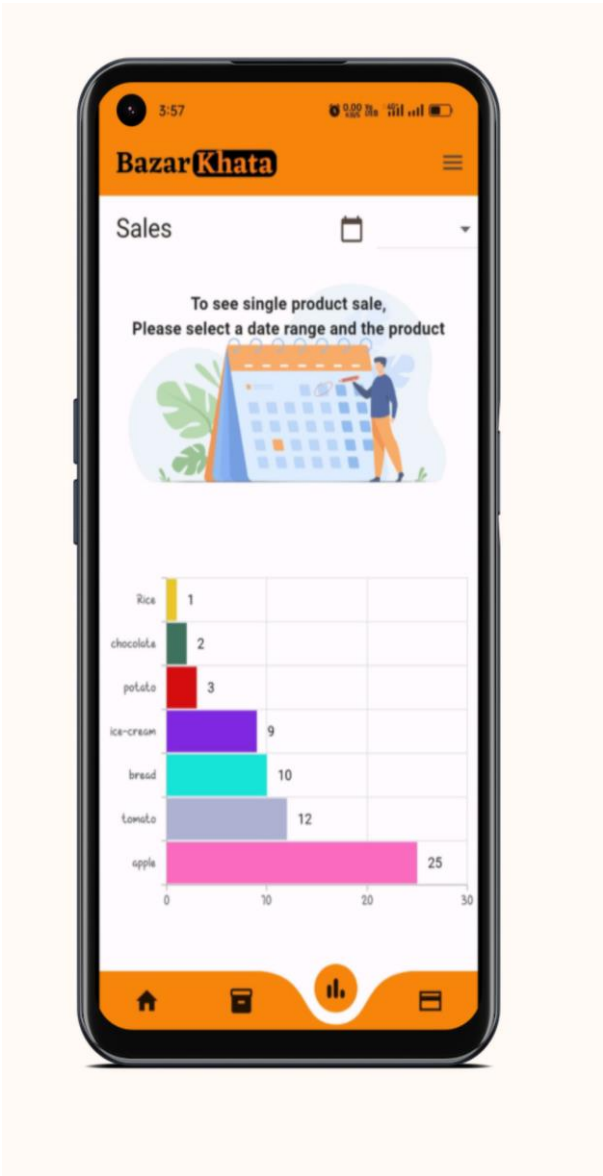
Pending Page



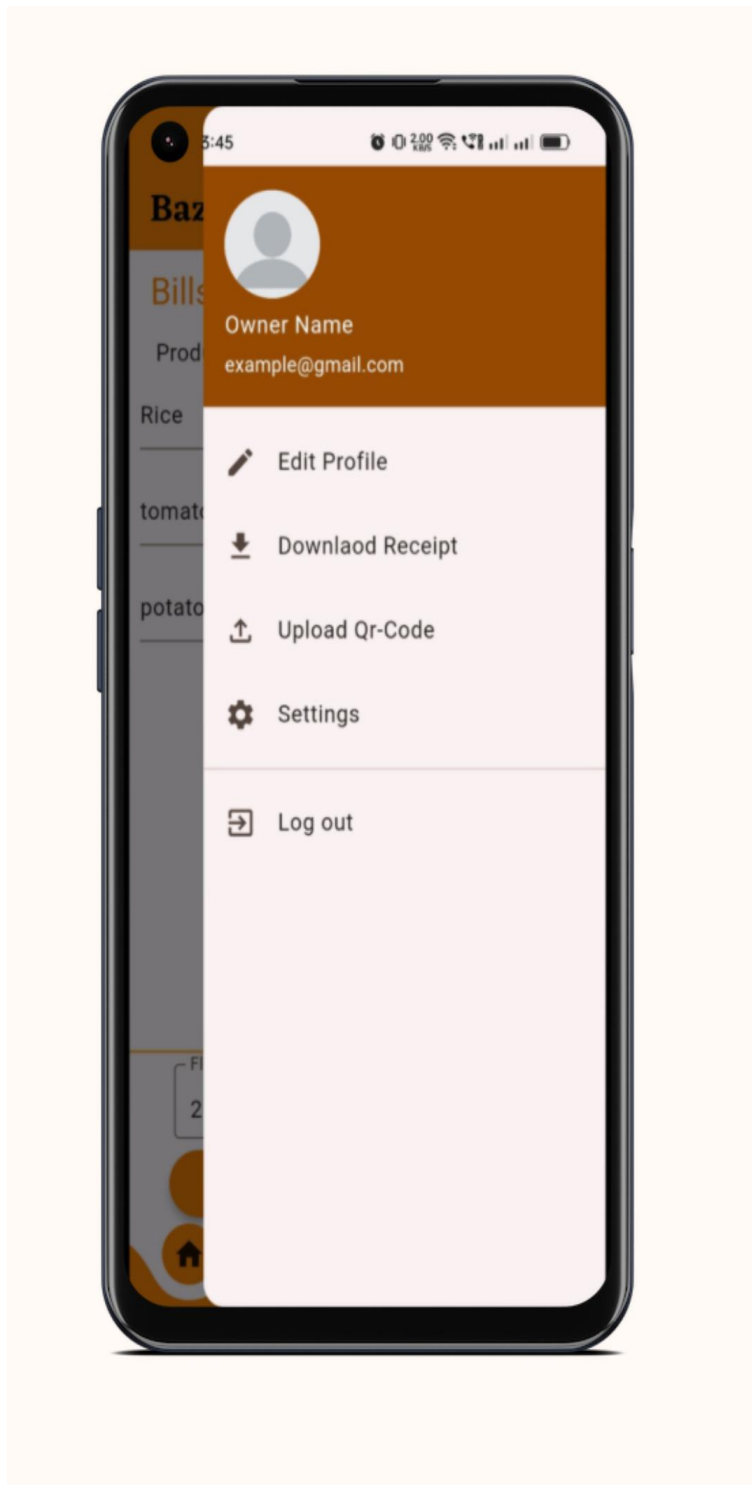
## Product List



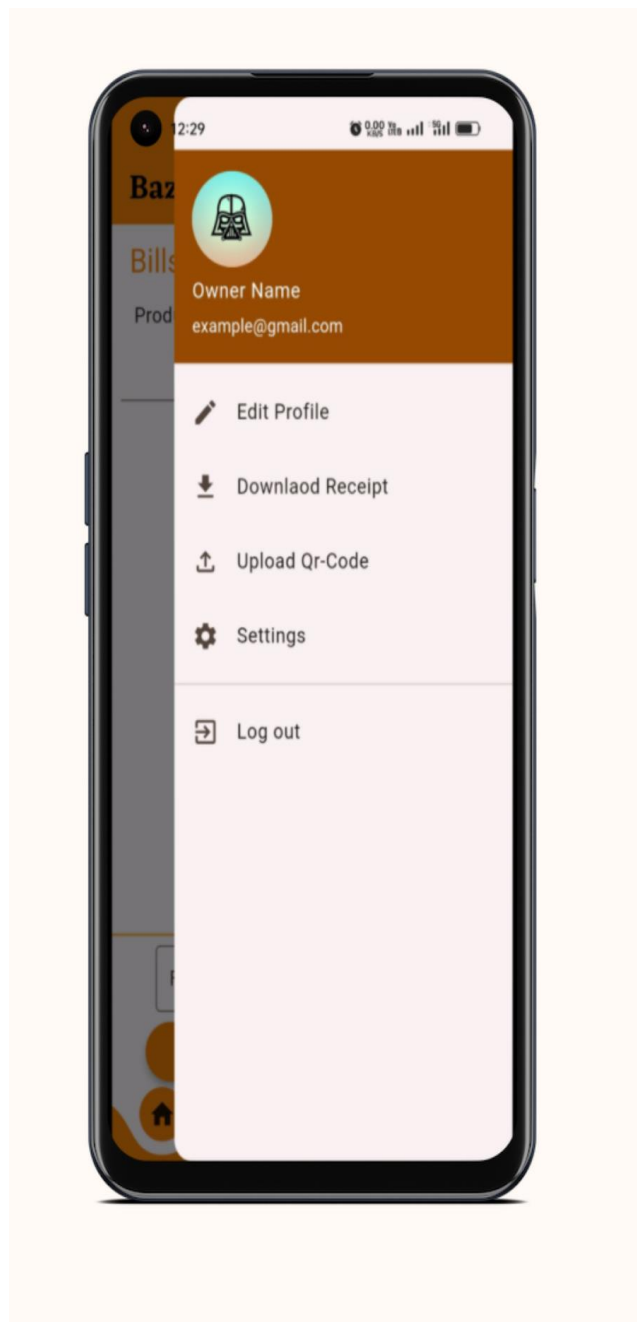
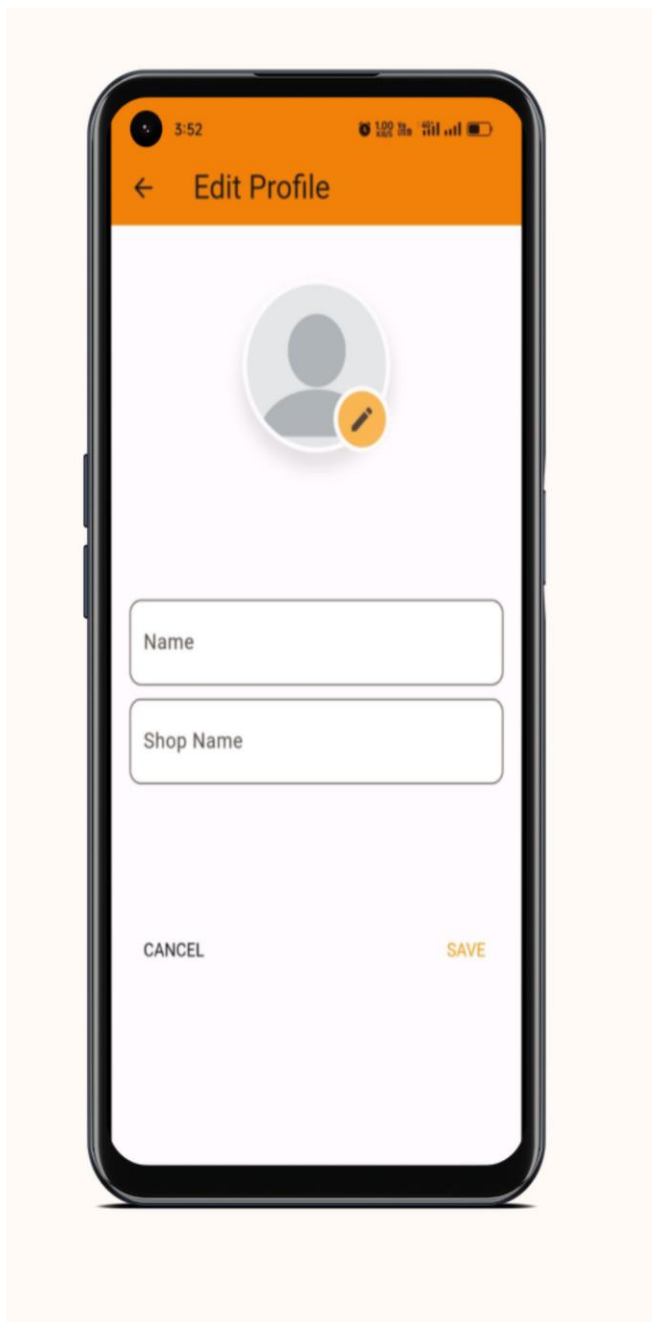
Product Sales



## Drawer

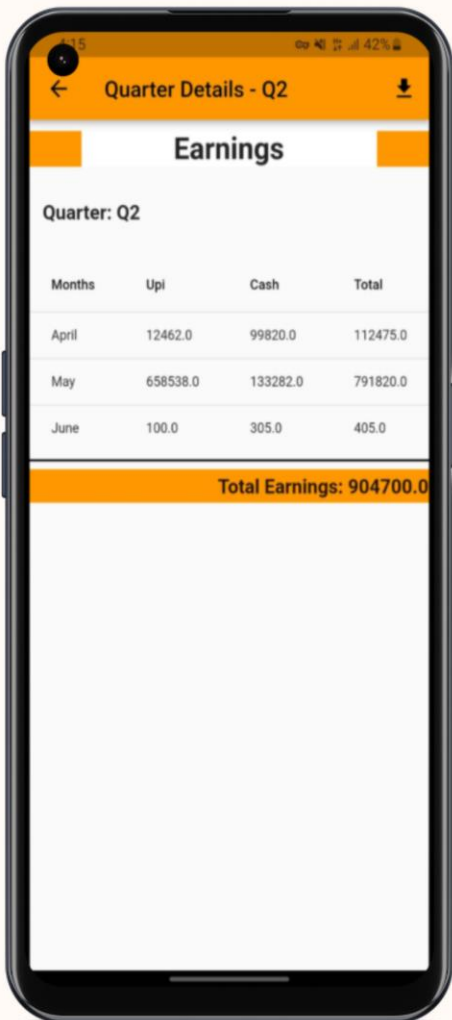


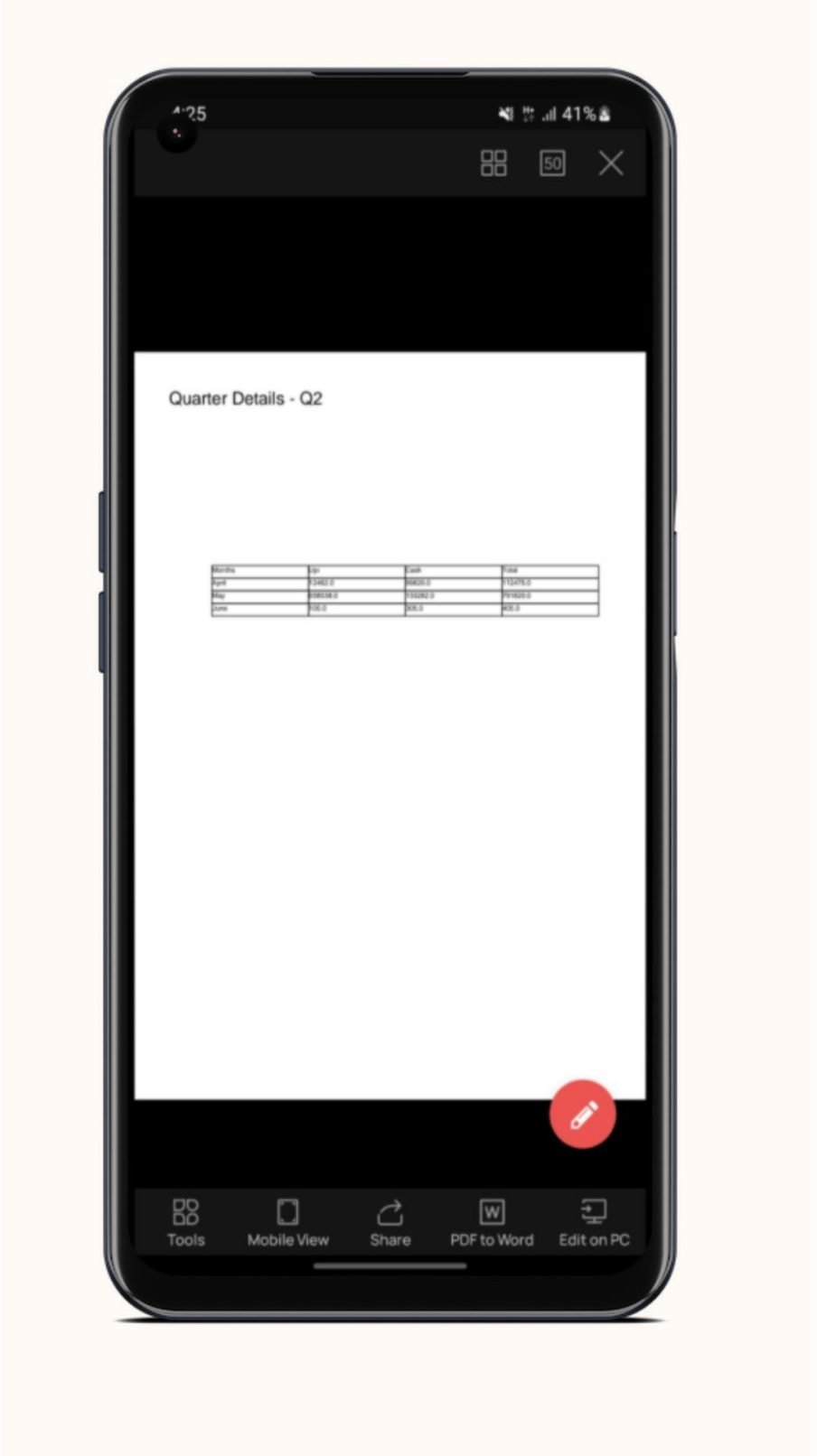
## Edit Profile



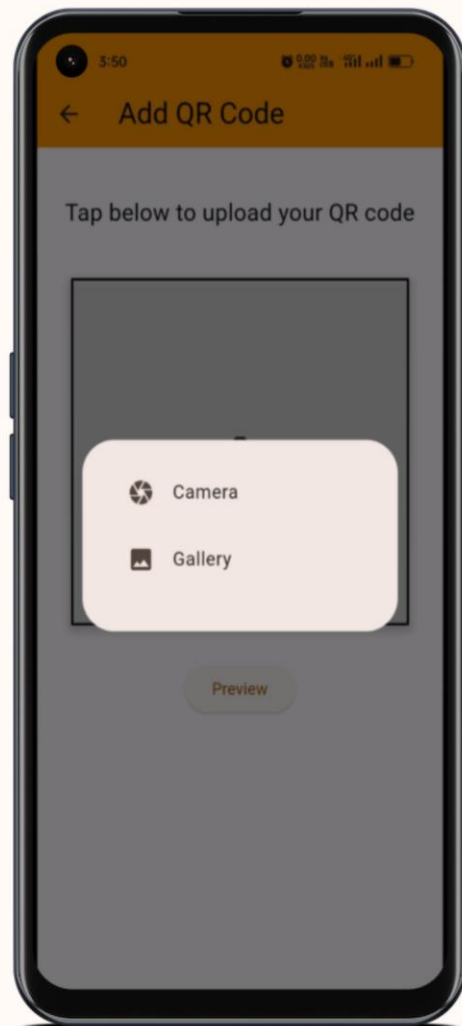
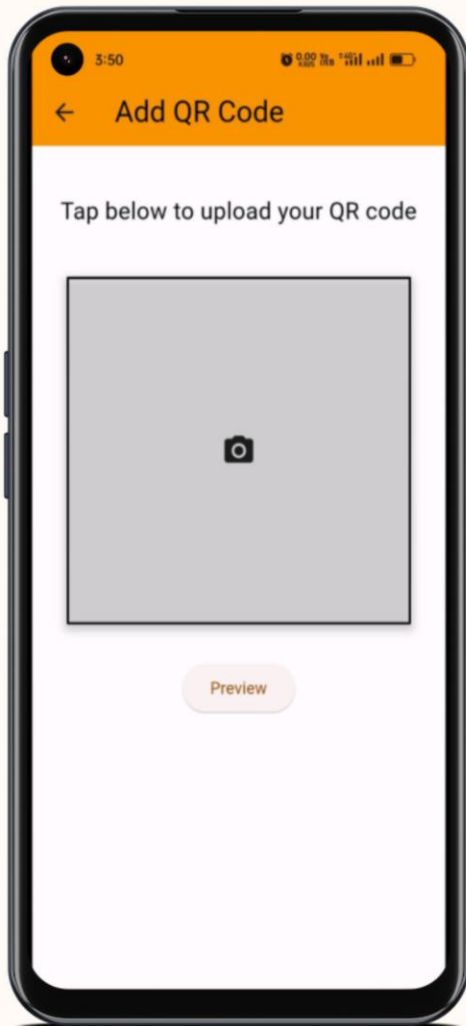


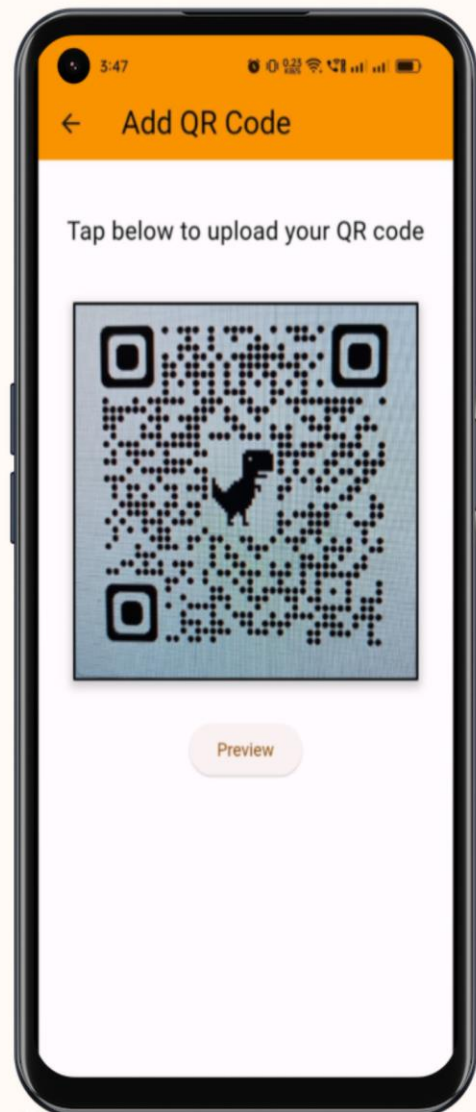
# Earnings By Quarters



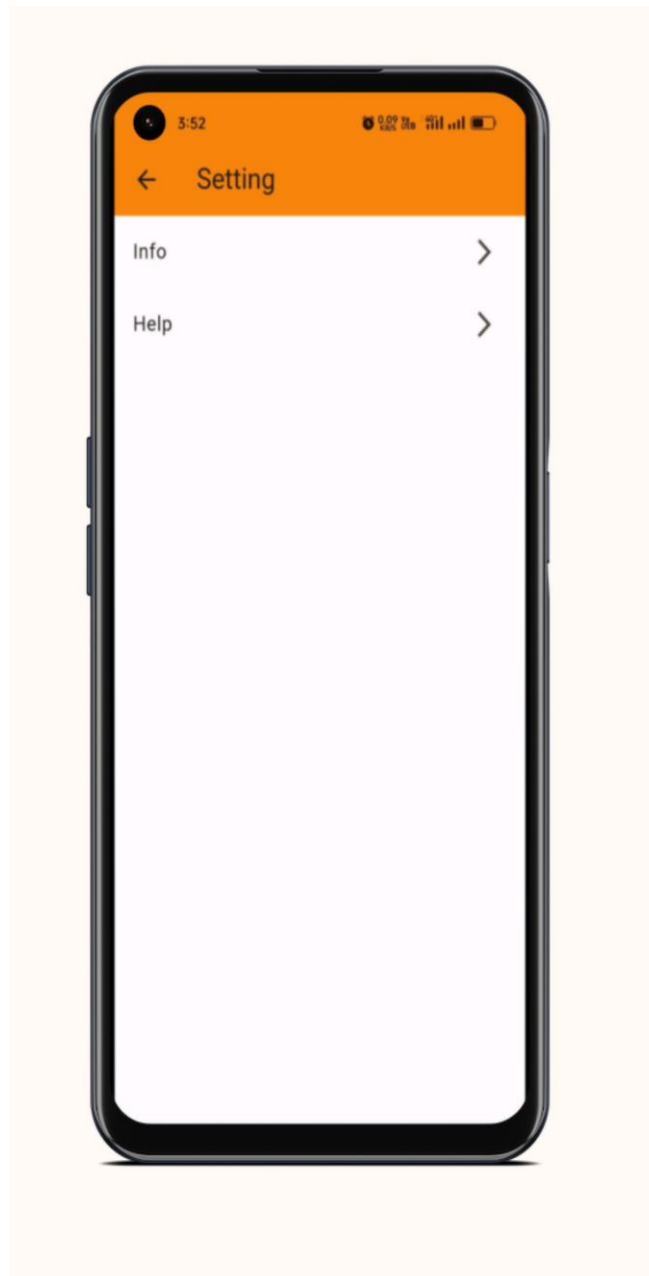


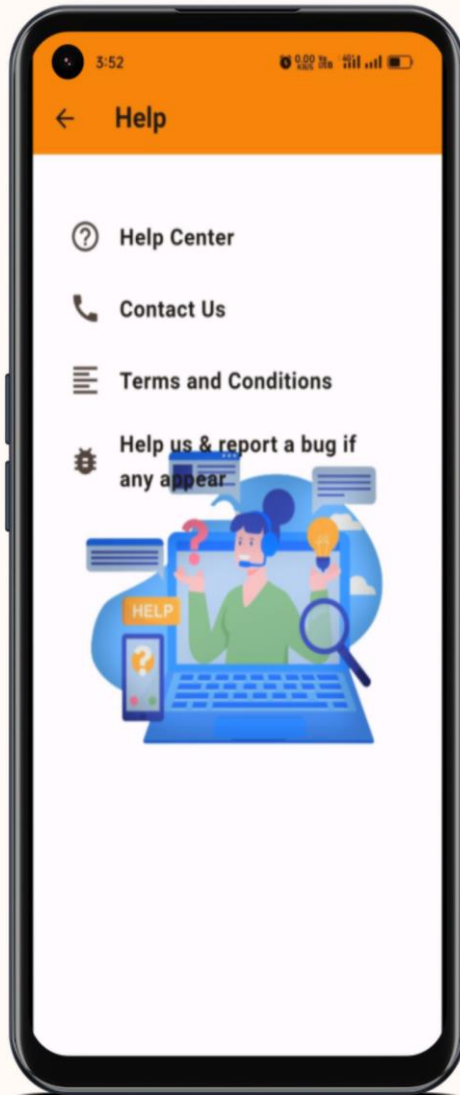
## Upload QR Code





## Settings







## **Certifications Completed under Internship**

## **Conclusions/Summary**

One of the highlights of my internship was the opportunity to work with a new programming language. It was a thrilling experience to dive into unexplored areas and expand my technical skills. The supportive and collaborative culture at SoftMonks has played a crucial role in my learning journey. I never felt alone, as I was encouraged to interact, seek guidance, and collaborate with my colleagues.

In conclusion, my internship at SoftMonks has been a remarkable journey of growth, learning, and camaraderie. I will cherish the memories and lessons learned during this time, and I am looking forward to seeing where my newfound abilities and experiences will take me in the future.

## Project Timeline/ Project Diary

25 January 2023 - 2 June 2023

- **Week 1:**
  - Introduction to flutter and dart Language.
  - Exploring features of flutter and its Libraries.
  - Knowing about the backend process and finding a suitable database.
- **Week 2:**
  - Writing simple code to make a demo app.
  - Learning about navigation of a page through an app.
  - Connecting and storing data in the database (sqlite)
- **Week 3:**
  - Going through the requirements and planning accordingly.
  - Making of homepage interface which include :-
    - Appbar.
    - Text Field for product, price, quantity.
    - Total (at bottom)
  - Add button to add new row.
- **Week 4:**
  - Adding some more features on home page:-
    - Slide drawer
    - Added One more row to calculate price X quantity.
  - Added payment button:-
    - Cash
    - UPI
  - Discount
- **Week 5:**
  - Adding some more features on home page:-
    - Delete row.
    - Arrange the payment button in the proper manner.
    - Users can change or add an avatar (profile pic) in the slide drawer.
    - User can change QR code (image)
    - Add trademark or gif animation on payment done (on click of Cash and UPI)

- Refresh home page on payment done.

- **Week 6:**

- Change in Home page:-
  - Add heading at top (Product, price, quantity).
  - New rows of product, price and quantity should be added from top.
  - Arrange the payment buttons.
  - Added Refresh buttons.
  - Added view details (to show a small bill)

- **Week 7:**

- Log in / Sign up Interface.
- Discussed and made a logo.
- Discuss and come up with a proper name.
- Made an animation for splash screen.

- **Week 8:**

- After scouting the best we got for the local database is sqflite.
- Stored the bill details.

- **Week 9:**

- Started working on the Inventory page.
- Tried storing only unique products with update price
- As we couldn't get success in it we moved to Login details storage.

- **Week 10:**

- Stored the signup details to local DB (Suppose to store the in server, change in plans.)
- Made a transaction interface.

- **Week 11:**

- Added the whole bill in transaction.
- On click on bill, show entire details.
- Rearrange the bill format.

- **Week 12:**

- With new requirements :-
  - Add the pending button on the home page.
  - Store pending bills in the database.
  - Modified the table by adding a status column in the transaction page.

- **Week 13:**
  - Made a pending bill interface and tried making the pending bills editable.
- **Week 14:**
  - Change the bill status from pending to paid and should update in the database.
- **Week 15:**
  - Added filter (payment type) in transaction page.
  - Added graph (Sales on payment type)
- **Week 16:**
  - Back to the inventory page to store unique products with updated prices.
  - Added validation at home page.
- **Week 17:**
  - With new requirements:-
    - Added suggestion list for product (Show products stored in database as suggestion list)
    - Auto fill price and selecting the product.
- **Week 18:**
  - Added same features to pending bill as home page
  - Made sale page.
  - Added weekly sale (top 5) graph.
  - Stacked on another graph based on the individual product sale with the period.
- **Week 19:**
  - Change in interface in all pages.
  - PDF download
  - Test the whole app thoroughly and work on UI/UX.
  - Did some final changes in the app.

## **My Reflections/Experiences of Internship**

During my internship at SoftMonks, I was fortunate to have valuable and life-changing expertise. Every day at SoftMonks brings new challenges that have helped me grow professionally and personally. The dynamic environment here forces me to step outside of my comfort zone and explore new possibilities on a regular basis.

One of the highlights of my internship was the opportunity to work with a new programming language. It was a thrilling experience to dive into unexplored areas and expand my technical skills. The supportive and collaborative culture at SoftMonks has played a crucial role in my learning journey. I never felt alone, as I was encouraged to interact, seek guidance, and collaborate with my colleagues.

The emphasis on continuous learning and development at SoftMonks has fueled my curiosity and has sparked my interest and generated a thirst for knowledge. The exposure to real-world projects in the industry has been invaluable, allowing me to not only learn theoretical concepts but also apply them in a practical setting. This hands-on experience has helped me in shaping my understanding of the software development landscape.

I am grateful for the knowledge and skills I have gained through my internship at SoftMonks. It has laid a strong foundation for my future career aspirations. I feel a sense of pride and accomplishment in being a part of the SoftMonks team.

## References

- <https://docs.flutter.dev/get-started/install>
- <https://dart.dev/>
- <https://pub.dev/>
- <https://stackoverflow.com/>
- <https://www.youtube.com/>
- <https://github.com/>