



Since 1962

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY

NIBBLES^{“”}

Presented by Bhavishka Mulchandani

Roll no:40

Div:DI5B

Batch:B

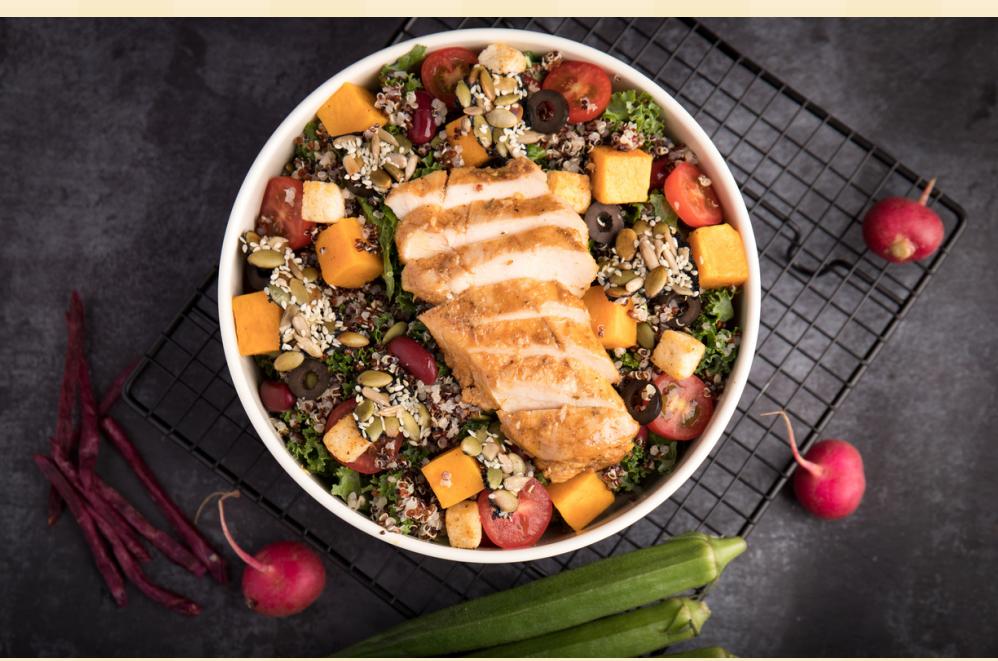
Guided By-

Dr. Ravita Mishra

NIBBLES

Food APP





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INTRODUCTION

Nibbles: a cool food app made with Flutter that helps you find yummy meals and snacks easily. It uses special tricks to make sure everything works smoothly and updates in real time. With Nibbles, you can search for food, scan QR codes for info, make a list of your favorite foods, and even choose filters to find exactly what you want. It also works nicely on different devices, and it's safe and easy to use. So, why not give Nibbles a try and explore delicious foods today?





PROBLEM STATEMENT

Current food delivery apps are not user-friendly for exploring various meals and packages.

Slow performance and outdated information result from inefficient state management.

Lack of essential features like robust search and QR code scanning hampers user experience.

OBJECTIVE OF THE PROJECT

The objective of Nibbles is to offer a smooth and engaging user experience for discovering a range of meals and snacks. This involves real-time updates, intuitive search features, and QR code scanning for quick information access. Nibbles also aims to personalize user experiences with favorite lists and filters, ensuring compatibility across devices, prioritizing safety, and driving user engagement and adoption.

Requirements OF THE PROJECT

- Development Machine:
- Processor: Intel Core i5 or equivalent.
 - RAM: Minimum 8 GB, recommended 16 GB.
 - Storage: At least 10 GB free space.

- Internet Connection:
- Stable connection required for online resources and Firebase services.

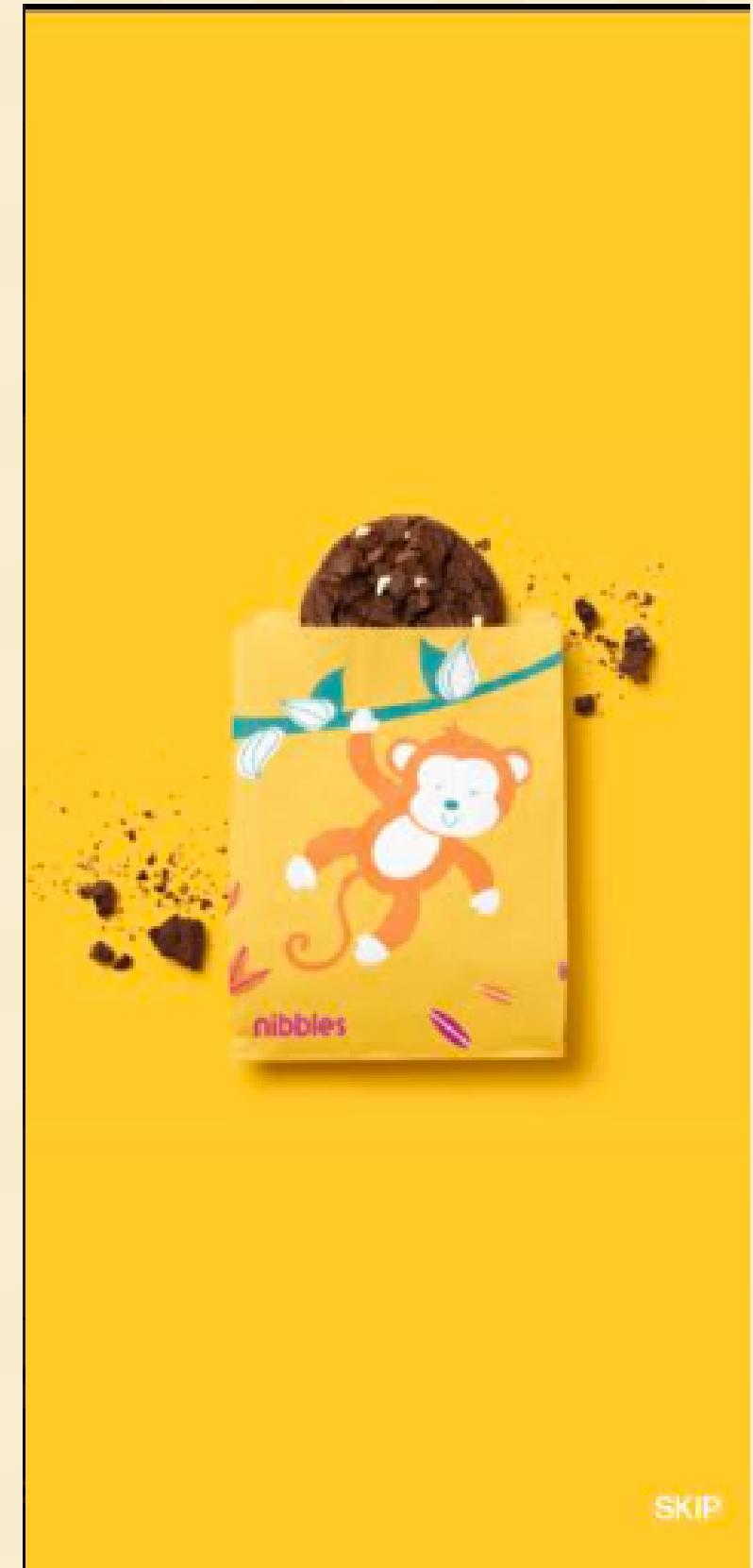
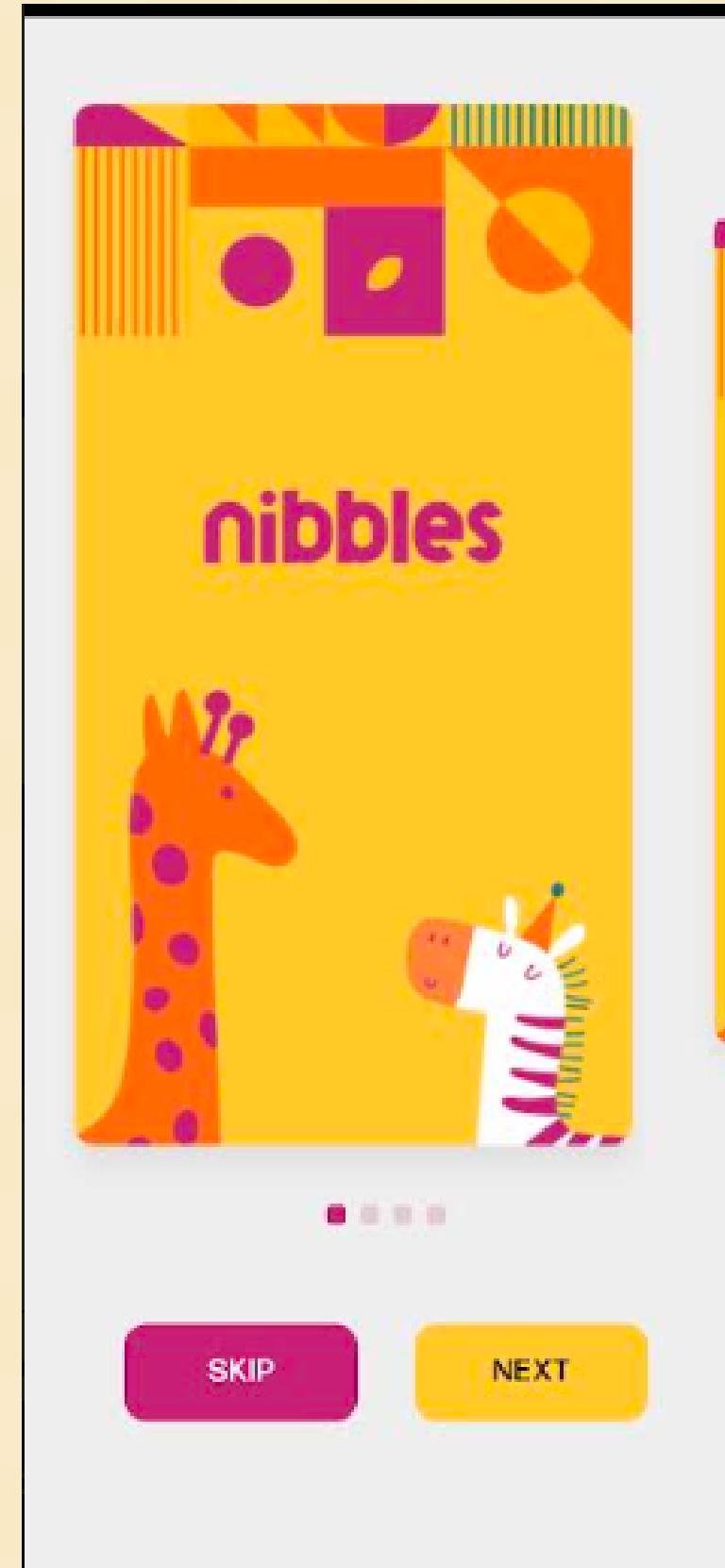
- User Devices:
- Mobile Devices: Compatible with modern iOS and Android.
 - Screen Resolution: Supports various resolutions.
 - GPS Module: Enables accurate location-based features.

Hardware Requirements

- Flutter SDK for app development.
- Development environments like Android Studio or Visual Studio Code.
 - Compatible operating systems (Android, iOS) for app installation.
 - Internet connectivity for Firebase services and notifications.
 - Necessary plugins/extensions for Flutter.
 - Firebase Firestore for real-time data storage.
 - Firebase Authentication for user authentication.

Software Requirements

IMPLEMENTATION



IMPLEMENTATION

nibbles

SIGN UP

Name*

Email*

Phone Number*

Password*

Confirm Password*

I accept all privacy policies and terms& Conditions of **Nibbles**.

SIGN UP

Already have an account?

LOGIN

nibbles

[Continue as a guest](#)

SIGN IN

Email Address*

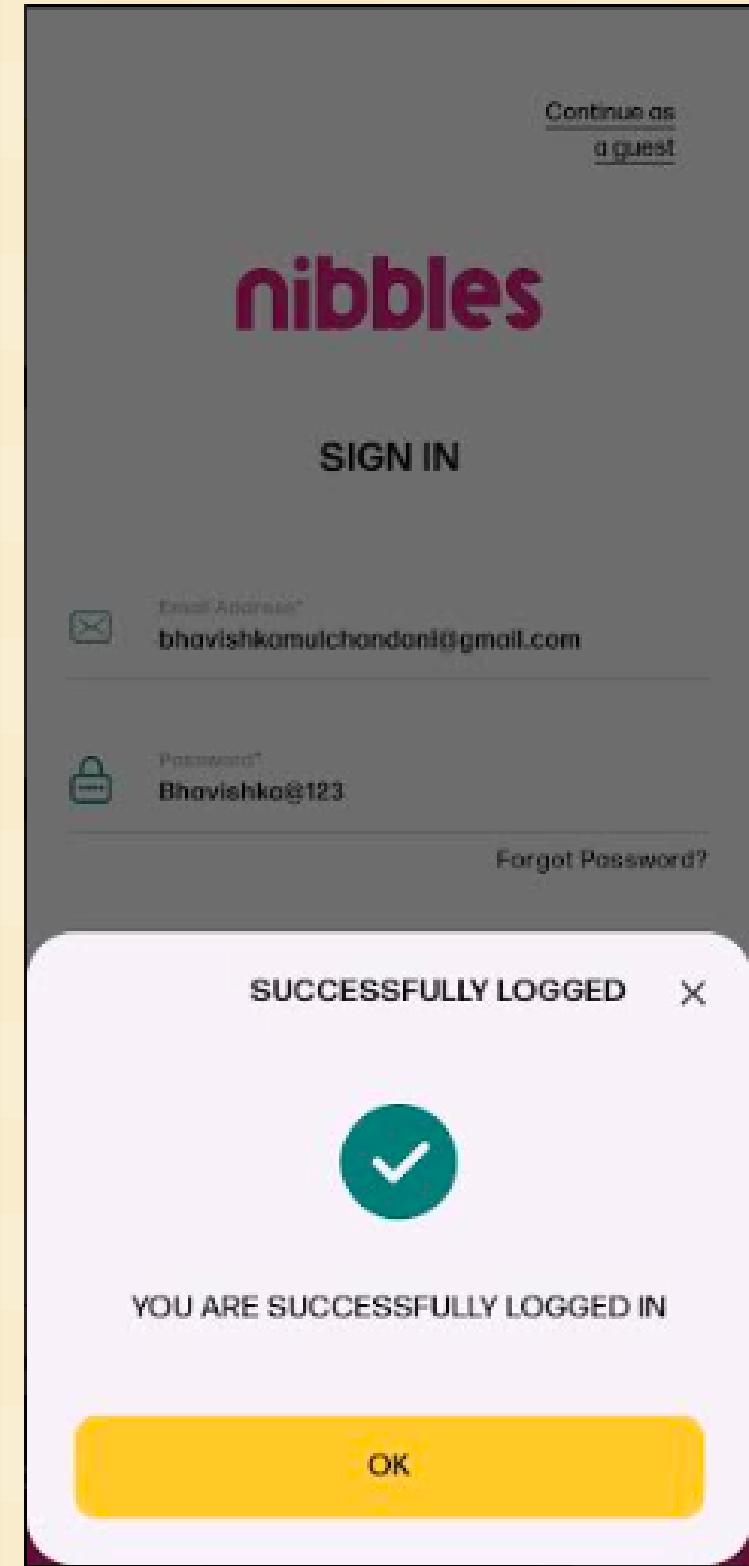
Password*

[Forgot Password?](#)

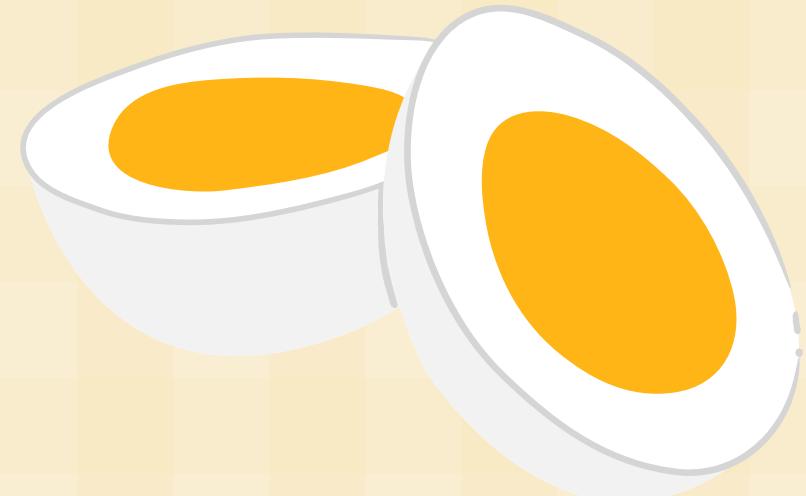
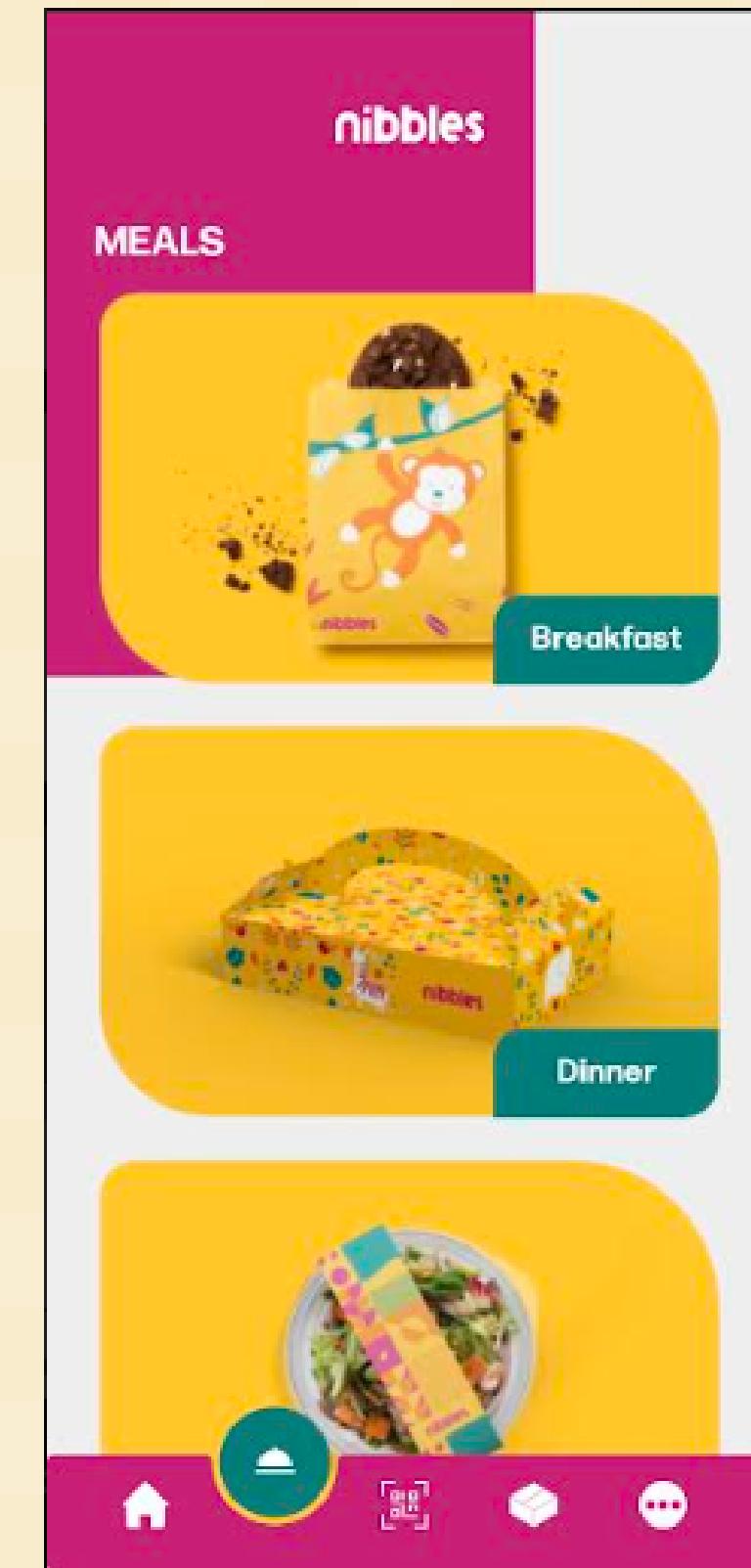
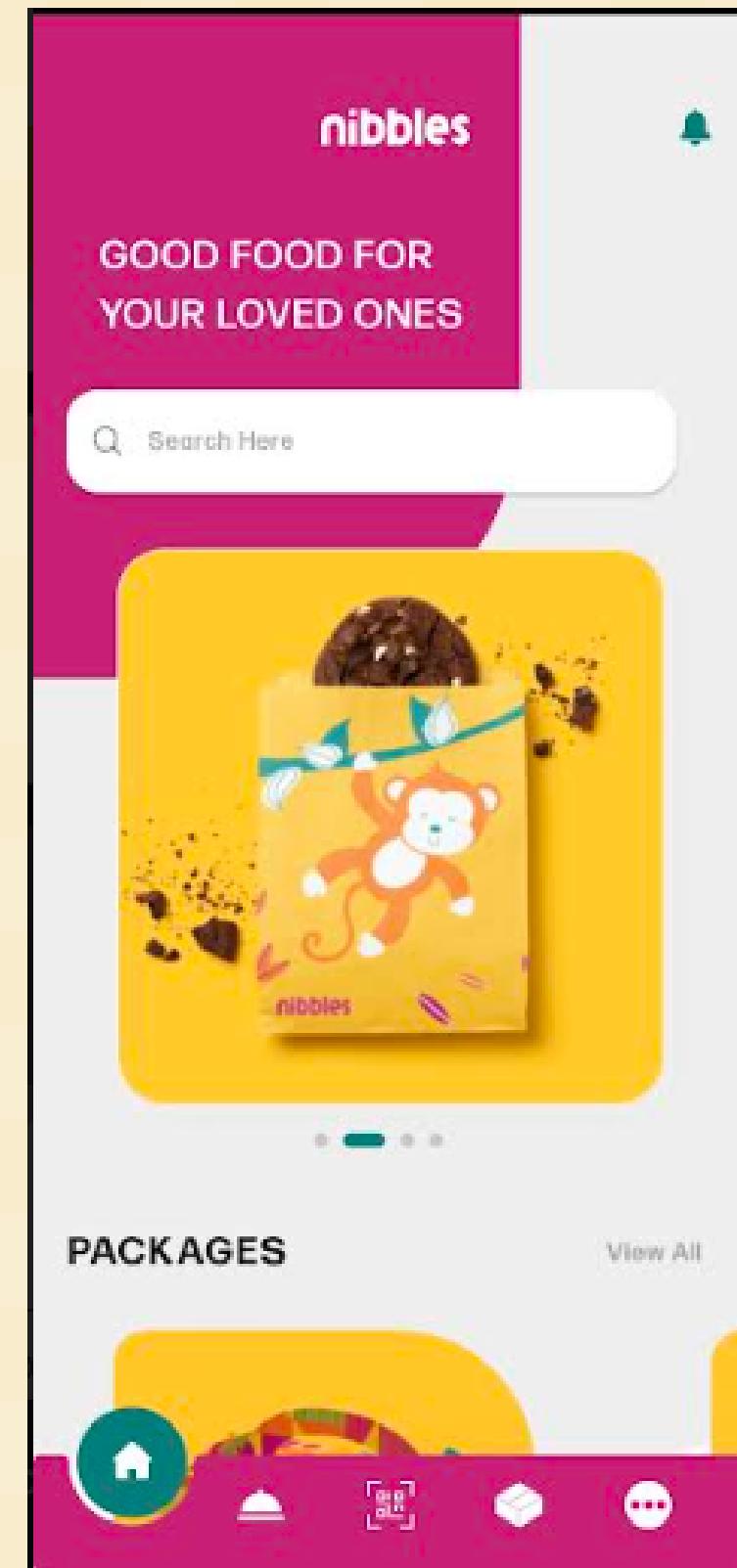
LOGIN

Don't have an account?

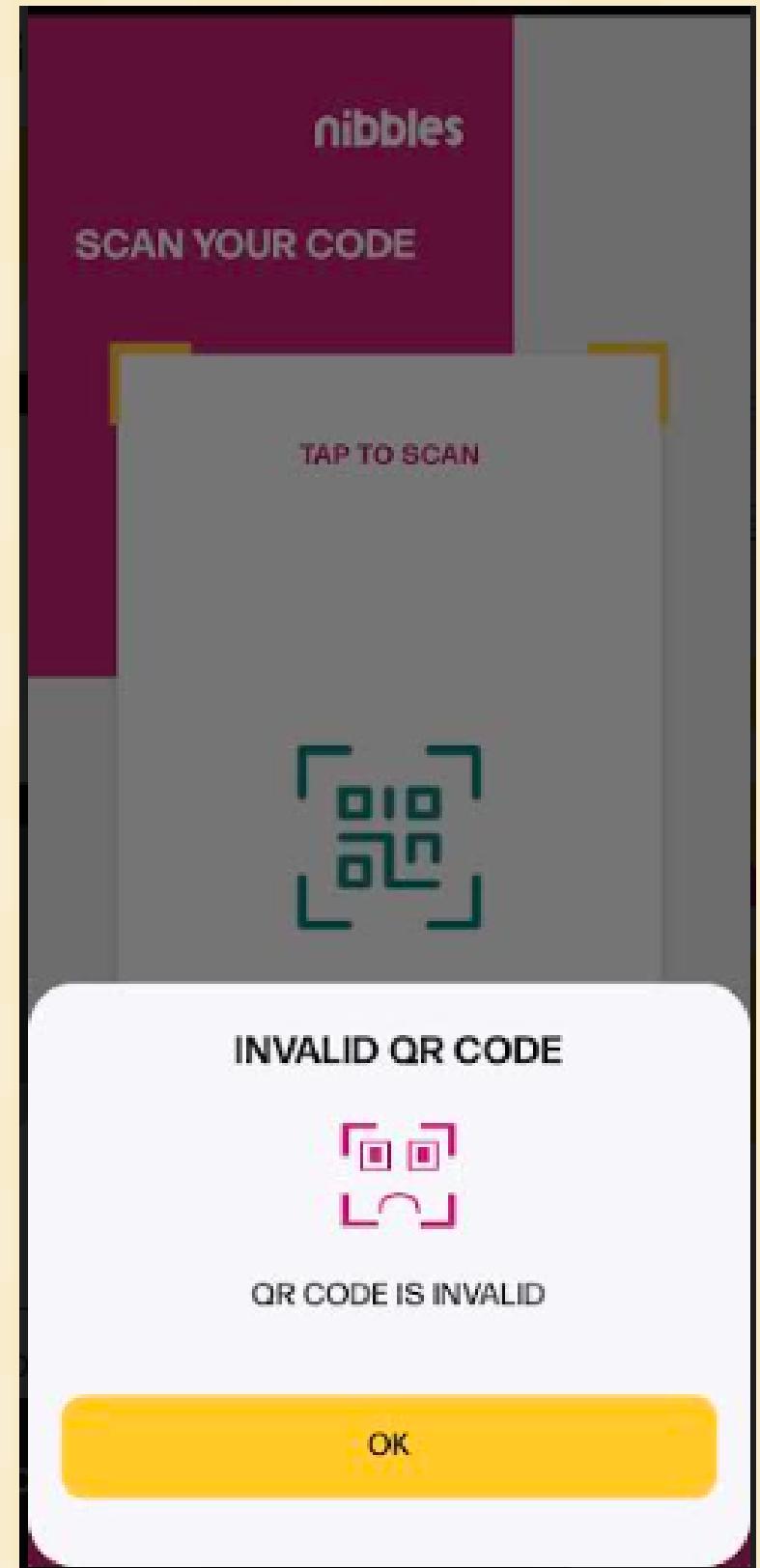
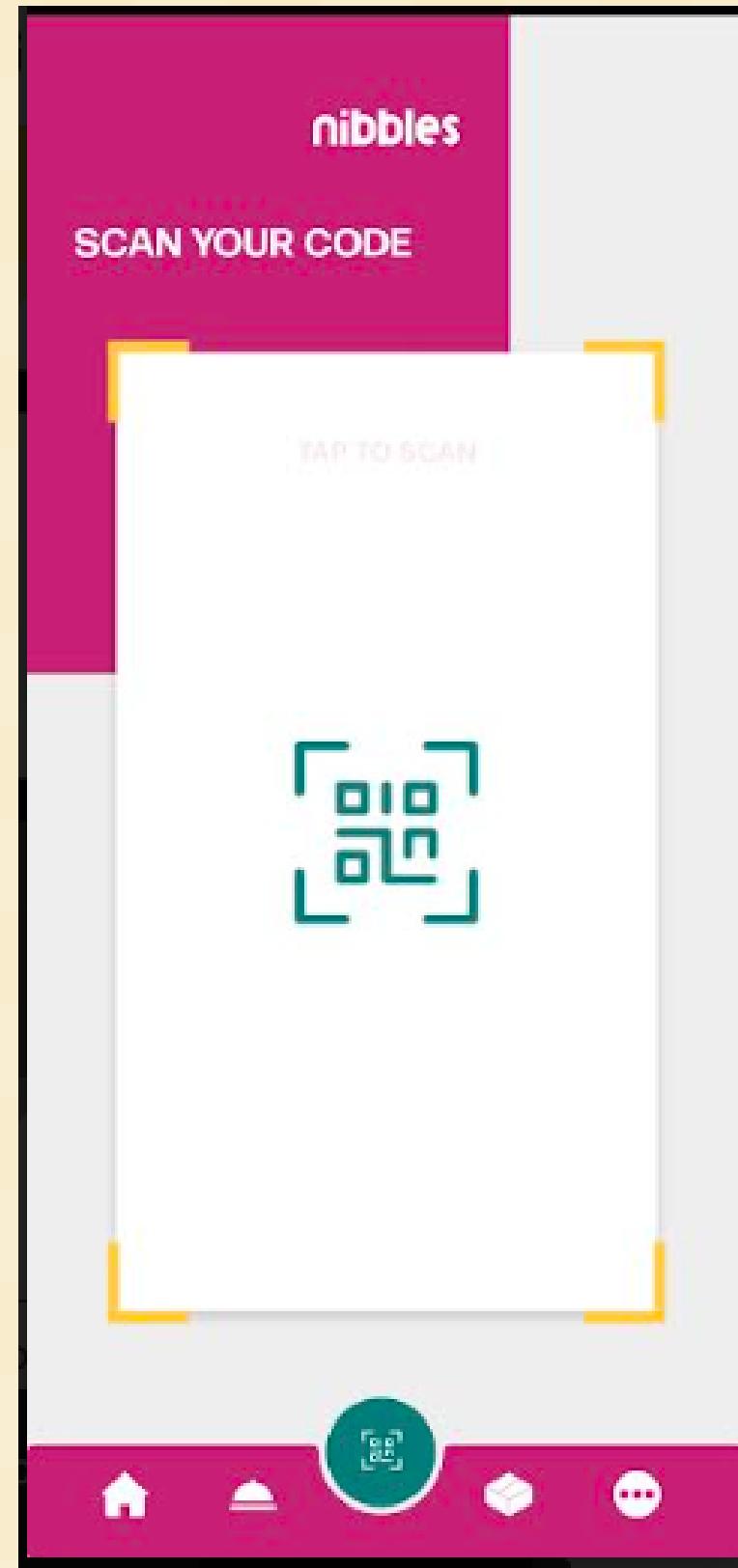
SIGN UP



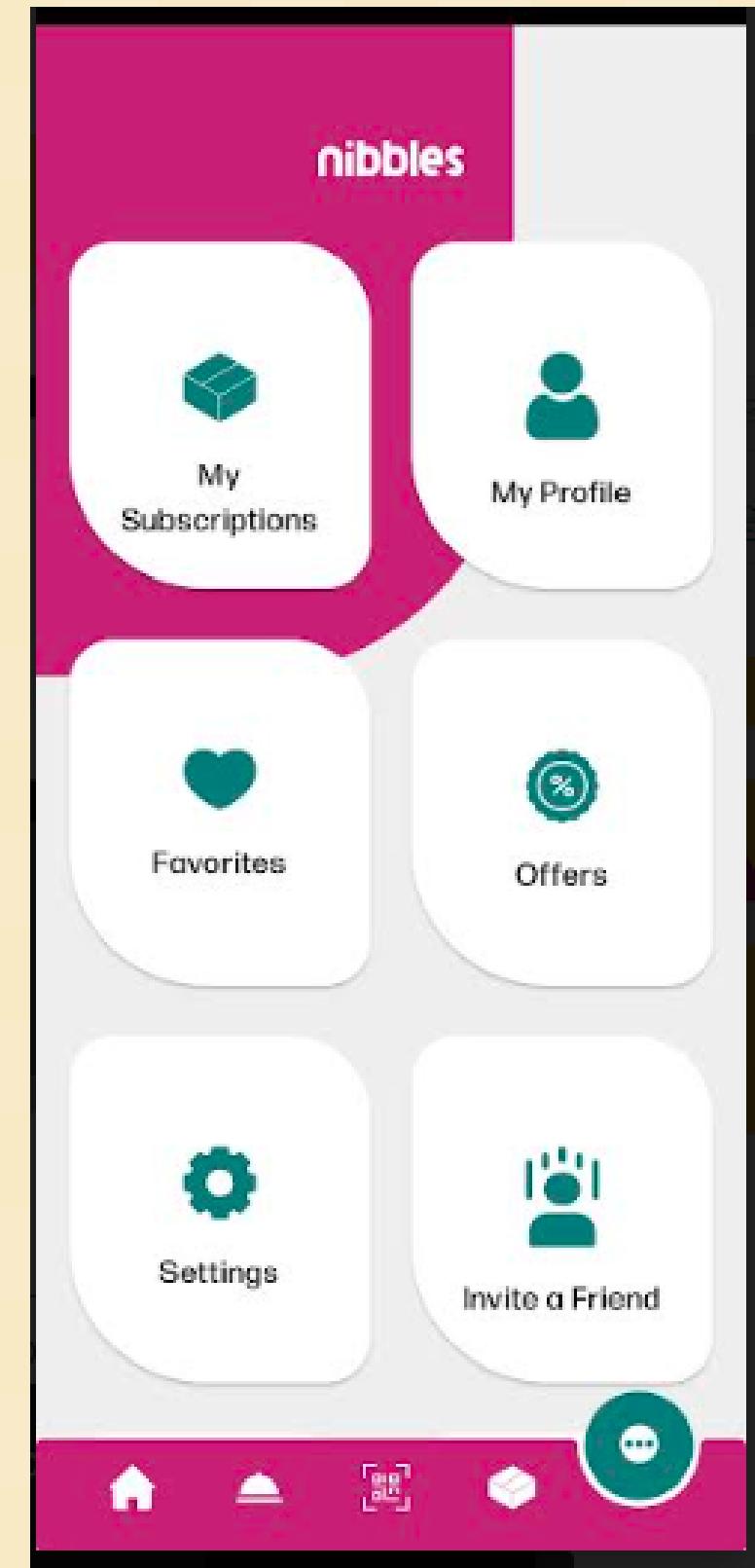
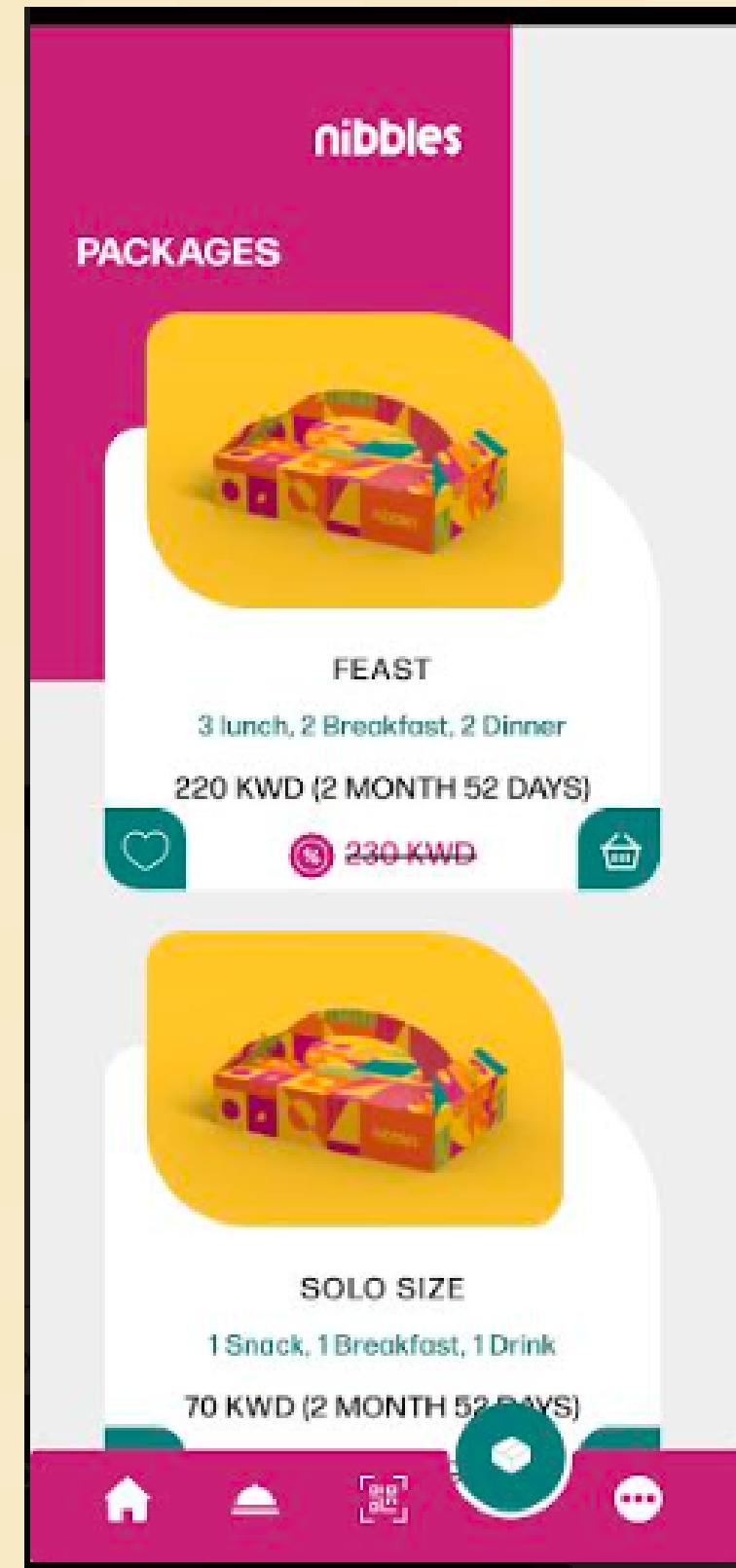
IMPLEMENTATION



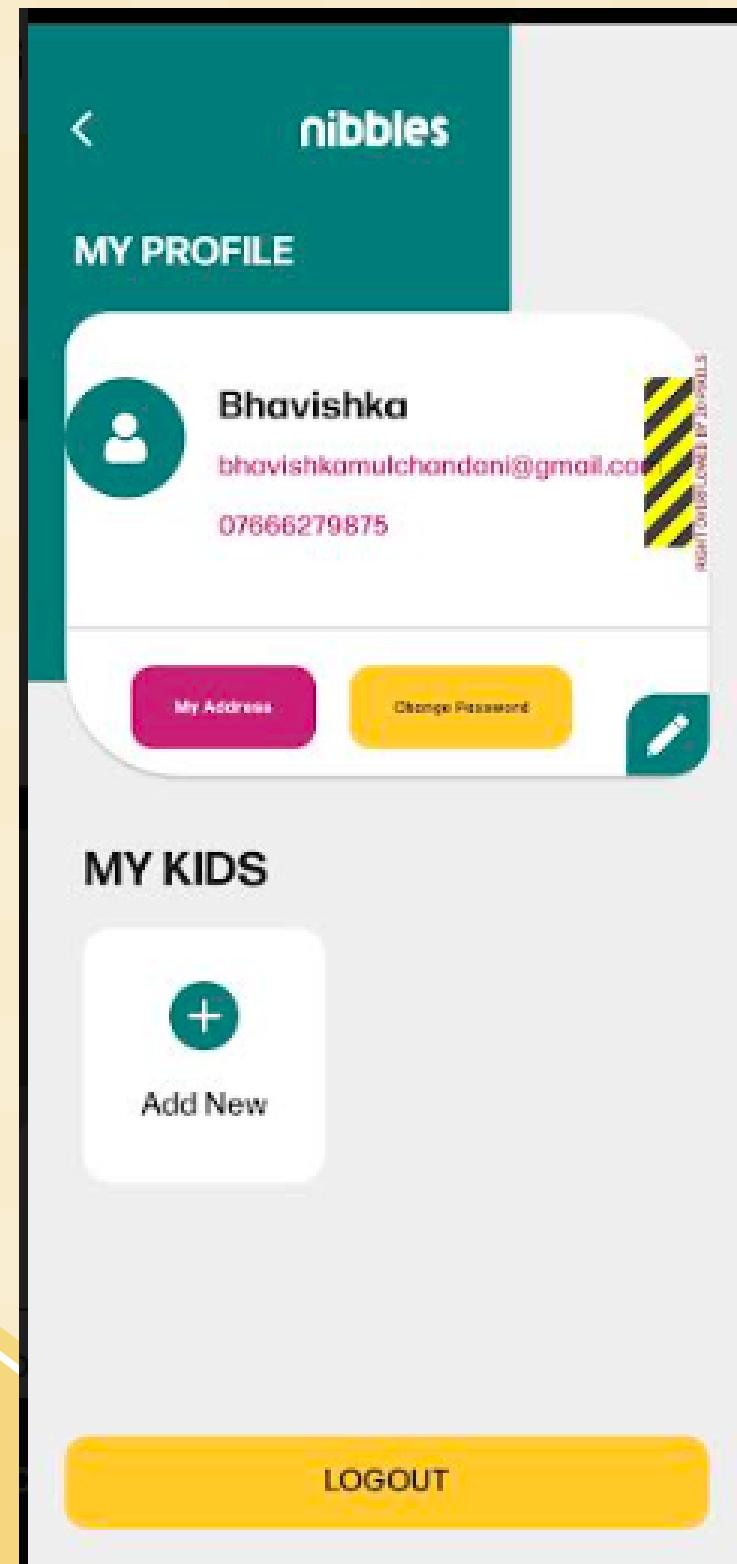
IMPLEMENTATION



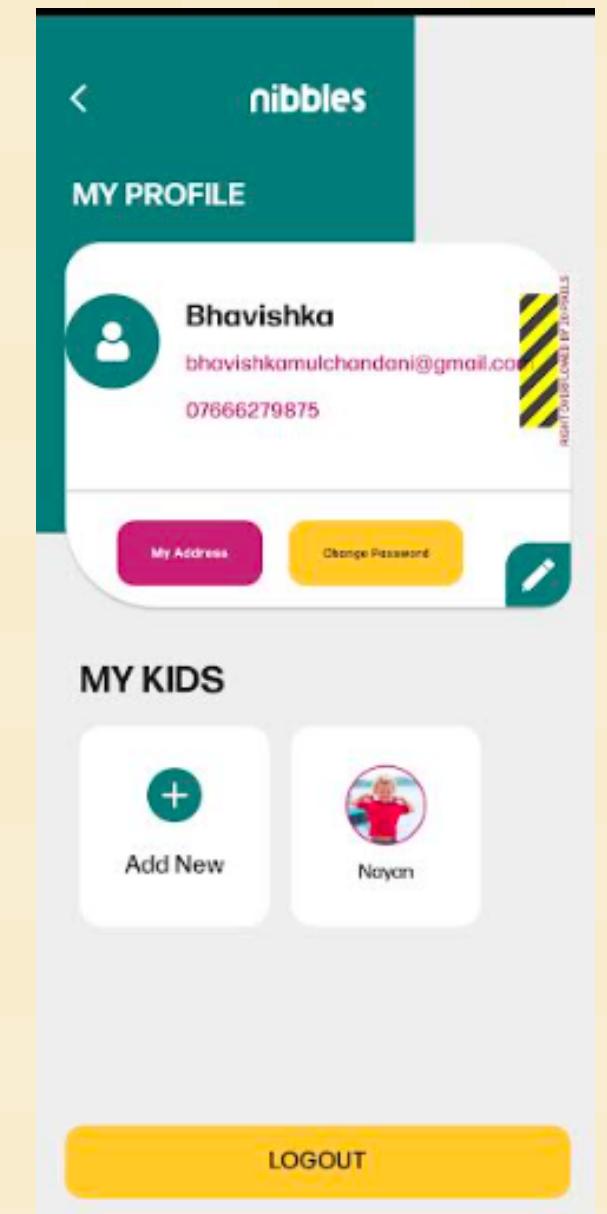
IMPLEMENTATION



IMPLEMENTATION



The 'ADD KID PROFILE' screen shows a teal header with the 'nibbles' logo. It's labeled 'Step 1 of 3 Personal Details'. It includes fields for Name*, Gender*, Age*, Height*, and Weight*. A large green '+' icon is at the top left. At the bottom is a large yellow 'ADD' button.



IMPLEMENTATION

The screenshot shows the Google Cloud Firestore interface. The left sidebar lists collections: addresses, categories, contact_messages, favourite_meals, favourite_packages, info, kids, meals, orders, packages, products, and users. The 'addresses' collection is selected. Inside the 'addresses' collection, a document with the ID 'DTcYrlGASKpbLr7UJjv0' is expanded. This document contains the following fields and their values:

- apartment: "1"
- area: "cairo"
- block: "salam"
- floor: "7"
- house: "6"
- instructions: "ask for directions please"
- number: "01052689642"
- street: "gamel"
- title: "home"
- userId: "3cP69eslHFN96pDSNrI4ESg1UVB3"

LITERATURE SURVEY

Sr. No.	Title	Author(s)	Publish Date	Description
1.	FlutterEats: Building a Food Delivery App with Flutter	John Johnson	October 2019	Learn to create FlutterEats, a food delivery app prototype, covering UI design, Firebase integration, authentication, and state management with Provider.
2.	FlutterFood: A Cross-Platform Food Ordering App	Amy Brown	September 2020	Discover FlutterFood, a cross-platform food ordering app, exploring its architecture with Bloc pattern, Firebase integration, and insights for building similar apps with Flutter.
3.	CookingPal: A Flutter-Based Cooking Companion App	Michael Wilson	December 2021	Overview of CookingPal, a Flutter app for recipes, meal planning, ingredient scanning, and user profiles, inspiring cooking-related app development.

Conclusion

Nibbles is a user-friendly food app built with Flutter, offering seamless features like advanced search, QR code scanning, and personalized lists. With its easy-to-use interface and integration of modern technologies like Firebase, Nibbles simplifies the process of exploring and enjoying delicious meals and snacks.

References

1. K. K. V. Jeongeun Lee, "Local Foodie: Experience Design of a Mobile Augmented Reality Application for Tourists to Encourage Local Food Consumption", pp. 1–2, 2020.
2. C. Bratianu, D. F. Stanescu and R. Mocanu, "Exploring the knowledge management impact on business education", Sustain., vol. 13, no. 4, pp. 1–16, 2021.
3. A. Ferraris, A. Mazzoleni, A. Devalle and J. Couturier, "Big data analytics capabilities and knowledge management: impact on firm performance", Manag. Decis., vol. 57, no. 8, pp. 1923–1936, 2019.

Thank you!



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PWA

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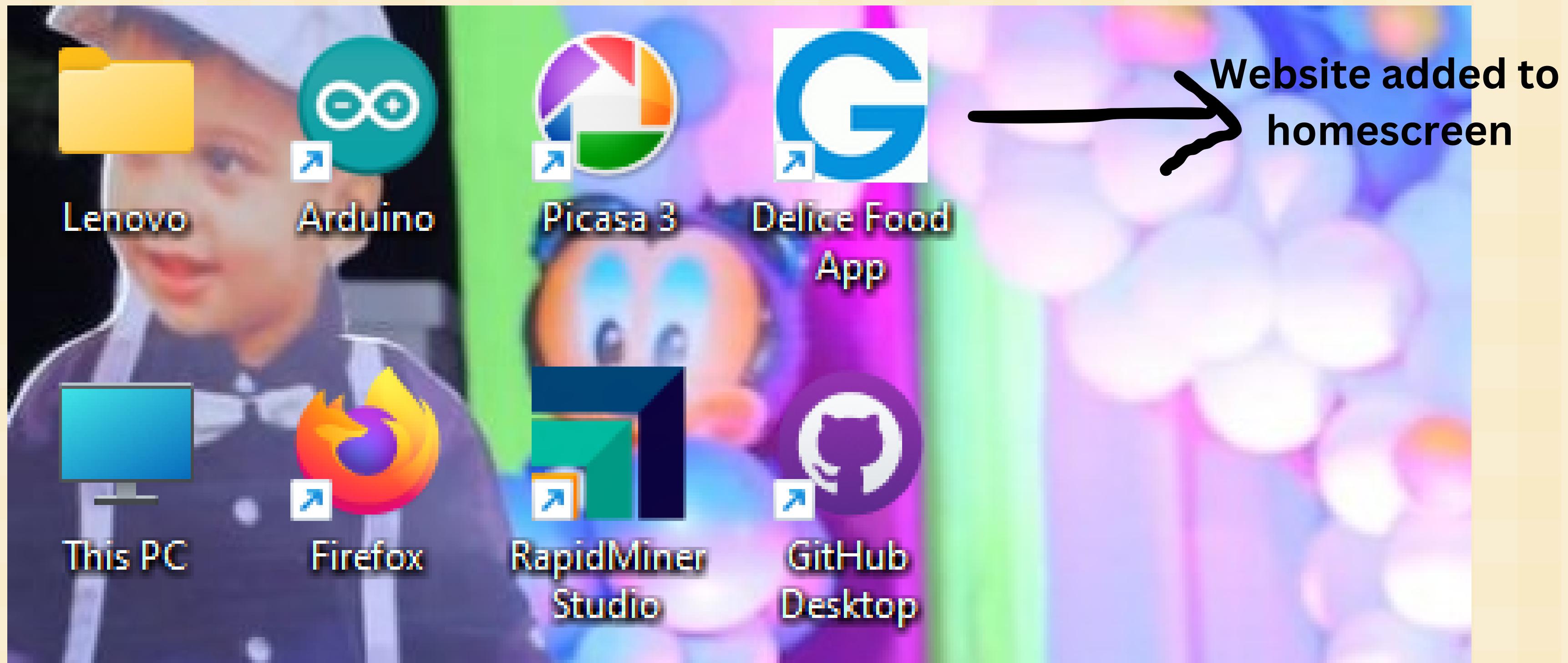
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FEATURES

1. Add to Home Screen: This feature allows users to save a PWA to their device's home screen with an icon, similar to native apps. Once added, the PWA can be launched directly from the home screen, providing a full-screen experience without the browser UI, thereby enhancing user engagement and ease of access.
2. Service Worker Events: Fetch, Sync, Push: – Fetch: Intercept network requests to cache or retrieve assets, enabling offline use or faster load times. – Sync: Delay actions until a stable internet connection is available, useful for posts or updates made offline. – Push: Receive push notifications from a server, even when the browser is closed, keeping users engaged with timely content or alerts.
3. Upload Product: This features allow the user to upload their product which they want to sell on the site .
4. Whatsapp/call seller : Connects with the dealer through whatsapp or phone number to purchase the product.

Homescreen icon



Homepage

Hello Josiah!

Search here...

MEGA SALE
60 % OFF

Best Selling
Comforts & Modern life Stylish Sofa

View More →

Sofa Chair Table Cabinets Cupboard

New Arrivals

View All

Home Grid Bag Heart User

PWA FEATURES

The screenshot shows the Chrome DevTools Application tab interface. The left sidebar contains sections for Application (Manifest, Service workers, Storage), Storage (Local storage, Session storage, IndexedDB, Web SQL, Cookies, Private state tokens, Interest groups, Shared storage, Cache storage), Background services (Back/forward cache, Background fetch, Background sync, Bounce tracking mitigation, Notifications, Payment handler, Periodic background sync, Speculative loads, Push messaging, Reporting API), and Frames (top frame). The main content area is titled "Service workers" and displays information for the URL <http://127.0.0.1:5500/>. It shows the service worker source as `sw.js`, received on 27/3/2024, 9:54:23 am, and status as #74 activated and is running. It lists clients at <http://127.0.0.1:5500/landing.html> (focus) and <http://127.0.0.1:5500/landing.html> (focus). It includes sections for Push (Test push message from DevTools, Push button), Sync (test-tag-from-devtools, Sync button), Periodic Sync (test-tag-from-devtools, Periodic Sync button), and Update Cycle (Version #74, Update Activity: Install, Wait, Activate, Timeline bar). A section for "Service workers from other origins" with a "See all registrations" link is also present. The bottom navigation bar includes Console, Issues, and a plus sign.

References

1. K. K. V. Jeongeun Lee, "Local Foodie: Experience Design of a Mobile Augmented Reality Application for Tourists to Encourage Local Food Consumption", pp. 1–2, 2020.
2. C. Bratianu, D. F. Stanescu and R. Mocanu, "Exploring the knowledge management impact on business education", Sustain., vol. 13, no. 4, pp. 1–16, 2021.
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