

Project Report
On
Recipe Finder

Submitted in partial fulfilment of the requirements for the award of

BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE & ENGINEERING
(Artificial Intelligence & Machine Learning)

by

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Under the esteemed guidance of
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Department of Computer Science & Engineering
(Artificial Intelligence & Machine Learning)
BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN
(Approved by AICTE, New Delhi and Affiliated to JNTUH, Hyderabad)
Accredited by NBA and NAAC with A Grade
Bachupally, Hyderabad – 500090
2024-25

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2023-24



CERTIFICATE

This is to certify that the project entitled “**Recipe Finder**” is a bonafide work carried out by **Ms. G. Nikhita (22WH1A6601), Ms. G. Revathi (22WH1A6606), Ms. R. Geetika Sri (22WH1A6654), Ms. B. Sri Vaishnavi (22WH1A6662)** in partial fulfilment for the award of B. Tech degree in **Computer Science & Engineering (AI&ML), BVRIT HYDERABAD College of Engineering for Women, Bachupally, Hyderabad**, affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad under my guidance and supervision. The results embodied in the project work have not been submitted to any other University or Institute for the award of any degree or diploma.

Supervisor

Ms. S Annapoorna
Assistant Professor
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Head of the Department

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Dept of CSE(AI&ML)

External Examiner

DECLARATION

We hereby declare that the work presented in this project entitled **“Recipe Finder”** submitted towards completion of Project work in III Year of B.Tech of CSE(AI&ML) at **BVRIT HYDERABAD College of Engineering for Women**, Hyderabad is an authentic record of our original work carried out under the guidance of **Ms. S Annapoorna, Assistant Professor, Department of CSE(AI&ML)**.

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Finally, we would like to thank our Project Coordinator, all Faculty and Staff of CSE(AI&ML) department who helped us directly or indirectly. Last but not least, we wish to acknowledge our **Parents and Friends** for giving moral strength and constant encouragement.

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ABSTRACT

Recipe Finder is a Flutter-based app that simplifies meal planning by offering a comprehensive platform to search, save, and manage recipes. Users can explore a vast library of recipes on the **Recipe Search Screen**, filtering by ingredients, cuisine, dietary preferences, or meal type for personalized suggestions. The **Recipe Details Screen** provides step-by-step cooking instructions, ingredient lists, preparation times, and nutritional information, catering to all skill levels and ensuring a seamless cooking experience. The app features intuitive navigation, responsive layouts, vibrant visuals, smooth animations, and user-friendly design, with **Flutter's setState()** ensuring real-time updates for all interactions. Dialogs and snackbars streamline actions like saving recipes, editing meal plans, or managing ingredient lists, while secure user accounts safeguard preferences, favorites, and meal history. **Recipe Finder** is the ultimate companion for discovering, organizing, and enjoying recipes tailored to individual tastes and lifestyles, making meal preparation more enjoyable and efficient.

PROBLEM STATEMENT

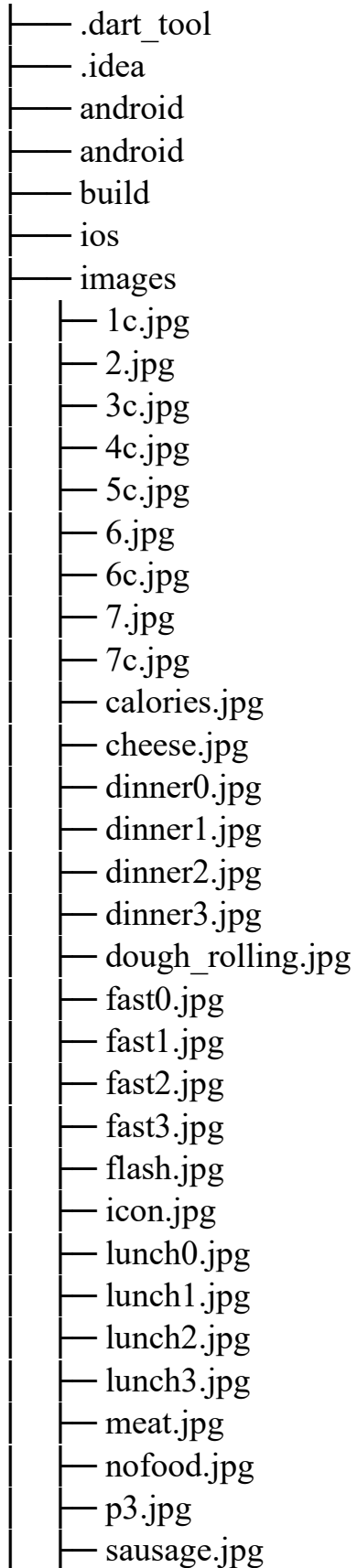
The goal is to develop a **Recipe Finder** mobile application that simplifies meal planning and recipe management for users. The app should enable users to:

- **Search for recipes** using filters such as ingredients, cuisine, dietary preferences, or meal type, providing personalized and relevant recipe suggestions.
- **View detailed recipes**, including step-by-step instructions, ingredient lists, preparation times, and nutritional information, catering to users of all skill levels.
- **Save and manage favorite recipes** or create custom meal plans, ensuring easy access to preferred dishes and structured meal organization.
- **Add and manage ingredients** in a personal pantry, helping users plan meals effectively based on available items and reducing food wastage.
- **Provide secure user accounts** to save preferences, meal plans, and progress, ensuring data privacy and easy retrieval across devices.
- **Offer an intuitive and responsive UI** that adapts seamlessly to different screen sizes, ensuring a smooth and engaging user experience.

The app will serve as a comprehensive yet user-friendly platform for users to discover, organize, and manage recipes, making cooking and meal planning more efficient and enjoyable.

FILE STRUCTURE

project_management_dashboard



```
graph LR; root["|"] --- star.jpg; root --- lib; root --- linux; root --- macos; root --- test; root --- web; root --- windows; root --- gitignore[".gitignore"]; root --- metadata[".metadata"]; root --- analysis_options.yaml; root --- recipe_finder.iml; root --- pubspec.lock; root --- pubspec.yaml; root --- README.md; lib --- main.dart; lib --- consent; lib --- screen; lib --- splash.dart; screen --- category.dart; screen --- favourite.dart; screen --- home.dart; screen --- login.dart; screen --- profile.dart; screen --- recipe.dart; screen --- search.dart; web --- icons; icons --- Icon-192.png; icons --- Icon-512.png; icons --- Icon-maskable-192.png; icons --- Icon-maskable-512.png; web --- favicon.png; web --- index.html; web --- manifest.json;
```

- star.jpg
- lib
 - main.dart
 - consent
 - screen
 - category.dart
 - favourite.dart
 - home.dart
 - login.dart
 - profile.dart
 - recipe.dart
 - search.dart
 - splash.dart
 - splash.dart
- linux
- macos
- test
 - widget_test.dart
- web
 - icons
 - Icon-192.png
 - Icon-512.png
 - Icon-maskable-192.png
 - Icon-maskable-512.png
 - favicon.png
 - index.html
 - manifest.json
- windows
- .gitignore
- .metadata
- analysis_options.yaml
- recipe_finder.iml
- pubspec.lock
- pubspec.yaml
- README.md

SOURCE CODE

```
import 'package:flutter/material.dart';
import 'package:pro/consent/navigation.dart';
import 'package:pro/screen/home.dart';
import 'package:pro/screen/splash.dart';

void main() {
  runApp(const MyApp());
}
class MyApp extends StatelessWidget {
  const MyApp({super.key});
  @override
  Widget build(BuildContext context) {
    return const MaterialApp(
      home: SplashPage(),
      debugShowCheckedModeBanner: false,
    );
  }
}
```

// home.dart

```
import 'package:flutter/material.dart';
import 'package:pro/consent/appbar.dart';
import 'package:pro/consent/colors.dart';
import 'package:pro/screen/recipe.dart';

class Home extends StatefulWidget {
  const Home({super.key});

  @override
  State<Home> createState() => _HomeState();
}

class _HomeState extends State<Home> {
  int indexx = 0;
  List category = ['All', 'Lunch', 'Dinner', 'Breackfast'];
  List categoryname = ['dinner', 'lunch', 'dinner', 'fast'];
  List food = [
```

```

['burger', 'omlet', 'grilled wings', 'Grilled ribs'],
['pizza', 'steak', 'pasta', 'burger'],
['burger', 'omlet', 'grilled wings', 'Grilled ribs'],
['pancake', 'egg', 'banana', 'egg'],
];
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: background,
    appBar: appBar(),
    body: CustomScrollView(
      slivers: [
        SliverToBoxAdapter(
          child: Padding(
            padding: const EdgeInsets.symmetric(horizontal: 15, vertical: 15),
            child: Text(
              'Popular catehory',
              style: TextStyle(
                fontSize: 20,
                color: font,
                fontFamily: 'ro',
              ),
            ),
          ),
        ),
        SliverPadding(
          padding: const EdgeInsets.symmetric(horizontal: 15),
          sliver: SliverToBoxAdapter(
            child: Column(
              children: [
                SizedBox(
                  height: 60,
                  child: ListView.builder(
                    itemCount: 4,
                    scrollDirection: Axis.horizontal,
                    itemBuilder: ((context, index) {
                      return Padding(
                        padding: const EdgeInsets.only(right: 10),
                        child: GestureDetector(
                          onTap: ()

```

```

    setState() {
      indexx = index;
    });
  },
  child: Container(
    margin: EdgeInsets.only(
      top: 5,
      bottom: 5,
      left: index == 0 ? 4 : 0,
    ),
    decoration: BoxDecoration(
      borderRadius: BorderRadius.circular(20),
      color:
        indexx == index ? maincolor : Colors.white,
      boxShadow: [
        BoxShadow(
          color: indexx == index
            ? maincolor
            : Colors.transparent,
          offset: indexx == index
            ? const Offset(1, 1)
            : const Offset(0, 0),
          blurRadius: indexx == index ? 7 : 0,
        )
      ],
    ),
  child: Center(
    child: Padding(
      padding: const EdgeInsets.symmetric(
        horizontal: 17),
    child: Text(
      category[index],
      style: TextStyle(
        fontSize: 16,
        color:
          indexx == index ? Colors.white : font,
        fontFamily: 'ro',
      ),
    ),
  ),
),
),
),

```

```

        ),
        ),
        ),
    );
  }},
),
),
const SizedBox(height: 15),
Row(
  children: [
    Text(
      'Popular',
      style: TextStyle(
        fontSize: 20,
        color: font,
        fontFamily: 'ro',
      ),
    ),
  ],
),
],
),
],
),
),
),
SliverPadding(
  padding: const EdgeInsets.symmetric(horizontal: 15, vertical: 20),
  sliver: SliverGrid(
    delegate: SliverChildBuilderDelegate(
      (context, index) {
        return GestureDetector(
          onTap: () {
            Navigator.of(context).push(
              MaterialPageRoute(
                builder: (BuildContext context) => Recipe(),
              ),
            );
          },
          child: Container(
            decoration: BoxDecoration(
              color: Colors.white,
              boxShadow: const [

```

```
BoxShadow(  
  color: Color.fromARGB(255, 185, 185, 185),  
  offset: Offset(1, 1),  
  blurRadius: 15,  
)  
],  
borderRadius: BorderRadius.circular(20),  
)  
child: Column(  
  children: [  
    const SizedBox(height: 10),  
    const Padding(  
      padding: EdgeInsets.only(right: 14),  
      child: Row(  
        mainAxisAlignment: MainAxisAlignment.end,  
        children: [Icon(Icons.favorite_border)],  
      ),  
    ),  
    Padding(  
      padding: const EdgeInsets.symmetric(  
        horizontal: 20,  
        vertical: 15,  
      ),  
      child: Container(  
        height: 120,  
        width: 120,  
        decoration: BoxDecoration(  
          image: DecorationImage(  
            image: AssetImage(  
              'images/${categoryname[indexx]}$index.jpg'),  
            fit: BoxFit.cover,  
          ),  
          borderRadius: BorderRadius.circular(20),  
        ),  
      ),  
    ),  
    const SizedBox(height: 20),  
    Text(  
      food[indexx][index],  
      style: TextStyle(  

```

```

        fontSize: 18,
        color: font,
        fontFamily: 'ro',
    ),
),
const SizedBox(height: 10),
Row(
  mainAxisAlignment: MainAxisAlignment.spaceAround,
  children: [
    const Text(
      '100 min',
      style: TextStyle(
        fontSize: 15,
        color: Colors.grey,
        fontFamily: 'ro',
      ),
    ),
  ),
  Row(
    children: [
      Icon(Icons.star, color: maincolor, size: 15),
      const Text(
        '4.2',
        style: TextStyle(
          fontSize: 15,
          color: Colors.grey,
          fontFamily: 'ro',
        ),
      ),
    ],
  ),
],
)
],
)
],
),
),
);
},
childCount: 4,
),
gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(

```

```

        crossAxisCount: 2,
        mainAxisExtent: 270,
        crossAxisSpacing: 10,
        mainAxisSpacing: 10,
      ),
    ),
  ],
),
);
}
}

```

//login.dart

```

import 'package:flutter/material.dart';
import 'package:pro/consent/colors.dart';
import 'package:pro/consent/navigation.dart';

class Login extends StatelessWidget {
  const Login({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      resizeToAvoidBottomInset: false,
      backgroundColor: background,
      body: SafeArea(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.start,
          children: [
            const SizedBox(height: 120),
            Center(
              child: Text(
                'Login',
                style: TextStyle(
                  color: font,
                  fontFamily: 'ro',
                  fontSize: 26,
                  fontWeight: FontWeight.bold,
                ),
              ),
            ),
          ],
        ),
      ),
    );
  }
}

```

```
),  
,  
const SizedBox(height: 40),  
Padding(  
  padding: const EdgeInsets.symmetric(horizontal: 30),  
  child: Container(  
    padding: const EdgeInsets.only(left: 15),  
    decoration: BoxDecoration(  
      color: Colors.white,  
      borderRadius: BorderRadius.circular(15),  
    ),  
    child: TextField(  
      decoration: InputDecoration(  
        icon: const Icon(Icons.email),  
        hintText: 'Email',  
        hintStyle: const TextStyle(fontFamily: 'ro'),  
        border: OutlineInputBorder(  
          borderRadius: BorderRadius.circular(15),  
          borderSide: BorderSide.none,  
        ),  
      ),  
    ),  
  ),  
),  
const SizedBox(height: 20),  
Padding(  
  padding: const EdgeInsets.symmetric(horizontal: 30),  
  child: Container(  
    padding: const EdgeInsets.only(left: 15),  
    decoration: BoxDecoration(  
      color: Colors.white,  
      borderRadius: BorderRadius.circular(15),  
    ),  
    child: TextField(  
      obscureText: true,  
      obscuringCharacter: '*',  
      decoration: InputDecoration(  
        icon: const Icon(Icons.lock),  
        hintText: 'Password',  
        hintStyle: const TextStyle(fontFamily: 'ro'),  
      ),  
    ),  
  ),  
)
```



```

        border: OutlineInputBorder(
          borderRadius: BorderRadius.circular(15),
          borderSide: BorderSide.none,
        ),
      ),
    ),
  ),
),
const SizedBox(height: 30),
GestureDetector(
  onTap: () {
    Navigator.of(context).push(
      MaterialPageRoute(builder: ((context) => const Navigation())));
  },
  child: Container(
    alignment: Alignment.center,
    height: 50,
    width: 160,
    decoration: BoxDecoration(
      color: maincolor,
      borderRadius: BorderRadius.circular(15),
    ),
    child: const Text(
      'Login',
      style: TextStyle(
        color: Colors.white,
        fontFamily: 'ro',
        fontSize: 19,
        fontWeight: FontWeight.bold,
      ),
    ),
  ),
),
const SizedBox(height: 180),
Expanded(
  child: GestureDetector(
    child: Container(
      height: 100,
      width: double.infinity,
      decoration: BoxDecoration(

```

```

boxShadow: [
  BoxShadow(
    color: Colors.grey.shade300,
    offset: const Offset(1, 1),
    blurRadius: 20,
  ),
],
color: Colors.white,
borderRadius: const BorderRadius.only(
  topLeft: Radius.circular(120),
  topRight: Radius.circular(120),
),
),
child: Center(
  child: Text(
    'Sign up',
    style: TextStyle(
      fontFamily: 'ro',
      color: font,
      fontSize: 22,
      fontWeight: FontWeight.bold,
    ),
  ),
),
),
),
onTap: () {
  // Sign-up Modal Bottom Sheet
  showModalBottomSheet(
    isScrollControlled: true,
    backgroundColor: Colors.transparent,
    barrierColor: Colors.transparent,
    context: context,
    builder: (BuildContext context) {
      return DraggableScrollableSheet(
        initialChildSize: 0.77,
        builder: (context, scrollController) {
          return Container(
            decoration: BoxDecoration(
              color: background,
              borderRadius: const BorderRadius.only(

```

```

        topLeft: Radius.circular(120),
        topRight: Radius.circular(120),
      ),
    ),
    child: SignUpForm(),
  );
},
);
},
);
},
),
),
],
),
),
);
}
}

```

```

class SignUpForm extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Column(
      crossAxisAlignment: CrossAxisAlignment.center,
      children: [
        const SizedBox(height: 50),
        Text(
          'Sign up',
          style: TextStyle(
            fontFamily: 'ro',
            color: font,
            fontSize: 22,
            fontWeight: FontWeight.bold,
          ),
        ),
        const SizedBox(height: 40),
        _buildTextField(Icons.email, 'Email'),
        const SizedBox(height: 20),
        _buildTextField(Icons.person, 'User Name'),
      ],
    );
  }
}

```

```

const SizedBox(height: 20),
  _buildTextField(Icons.lock, 'Password', isPassword: true),
const SizedBox(height: 30),
GestureDetector(
  onTap: () {
    Navigator.of(context).push(
      MaterialPageRoute(builder: ((context) => const Navigation())));
  },
  child: Container(
    alignment: Alignment.center,
    height: 50,
    width: 160,
    decoration: BoxDecoration(
      color: maincolor,
      borderRadius: BorderRadius.circular(15),
    ),
    child: const Text(
      'Sign up',
      style: TextStyle(
        color: Colors.white,
        fontFamily: 'ro',
        fontSize: 19,
        fontWeight: FontWeight.bold,
      ),
    ),
  ),
),
],
);
}

```

```

Widget _buildTextField(IconData icon, String hint, {bool isPassword = false}) {
  return Padding(
    padding: const EdgeInsets.symmetric(horizontal: 30),
    child: Container(
      padding: const EdgeInsets.only(left: 15),
      decoration: BoxDecoration(
        color: Colors.white,
        borderRadius: BorderRadius.circular(15),
      ),
    ),
  ),
)

```

```

        child: TextField(
          obscureText: isPassword,
          obscuringCharacter: '*',
          decoration: InputDecoration(
            icon: Icon(icon),
            hintText: hint,
            hintStyle: const TextStyle(fontFamily: 'ro'),
            border: OutlineInputBorder(
              borderRadius: BorderRadius.circular(15),
              borderSide: BorderSide.none,
            ),
          ),
        ),
      ),
    ),
  );
}
}

```

//category.dart

```

import 'package:flutter/material.dart';
import 'package:pro/consent/appbar.dart';

class Category extends StatelessWidget {
  const Category({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: appbar(),
      body: SafeArea(
        child: Padding(
          padding: const EdgeInsets.only(top: 10),
          child: GridView.builder(
            gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
              crossAxisCount: 2,
              mainAxisExtent: 270,
            ),
            itemCount: 6,
            itemBuilder: ((context, index) {
              return Padding(

```

```

padding:
  const EdgeInsets.symmetric(horizontal: 10, vertical: 10),
child: Container(
  decoration: BoxDecoration(
    color: Colors.amber,
    borderRadius: BorderRadius.circular(25),
    image: DecorationImage(
      image: AssetImage('images/${index + 1}c.jpg'),
      fit: BoxFit.cover,
    ),
  ),
),
);
}),
),
);
}
}
}

```

//profile.dart

```

import 'package:flutter/material.dart';

class Profil extends StatelessWidget {
  final List<Icon> icons = [
    Icon(Icons.person, color: maincolor),
    Icon(Icons.settings, color: maincolor),
    Icon(Icons.note_add, color: maincolor),
    Icon(Icons.favorite, color: maincolor),
    Icon(Icons.chat, color: maincolor),
    Icon(Icons.login, color: maincolor),
  ];

  final List<String> titles = [
    'Personal Data',
    'Settings',
    'E-Statement',
    'Referral Code',
    'FAQs',
  ];
}

```

```
'Logout'  
];
```

```
Profil({super.key});
```

```
@override  
Widget build(BuildContext context) {  
  return Scaffold(  
    backgroundColor: background,  
    body: SafeArea(  
      child: Column(  
        children: [  
          const SizedBox(height: 30),  
          Row(  
            mainAxisAlignment: MainAxisAlignment.center,  
            children: [  
              Container(  
                decoration: BoxDecoration(  
                  border: Border.all(color: maincolor, width: 2),  
                  shape: BoxShape.circle,  
                ),  
                child: const Padding(  
                  padding: EdgeInsets.all(4.0),  
                  child: CircleAvatar(  
                    radius: 50,  
                    backgroundImage: AssetImage('images/p3.jpg'),  
                  ),  
                ),  
              ],  
            ),  
          const SizedBox(height: 10),  
          Text(  
            'Charlotte',  
            style: TextStyle(fontSize: 18, color: font, fontFamily: 'ro'),  
          ),  
          const Padding(  
            padding: EdgeInsets.symmetric(horizontal: 20),  
            child: Divider(  
              height: 40,
```

```

        thickness: 2,
      ),
    ),
    Expanded(
      child: ListView.builder(
        itemCount: icons.length,
        itemBuilder: (BuildContext context, int index) {
          return ListTile(
            leading: Container(
              width: 37,
              height: 37,
              decoration: BoxDecoration(
                color: Colors.white,
                borderRadius: BorderRadius.circular(12),
              ),
              child: icons[index],
            ),
            title: Padding(
              padding: const EdgeInsets.only(bottom: 8),
              child: Text(
                titles[index],
                style: TextStyle(fontSize: 17, color: font),
              ),
            ),
            trailing: const Icon(
              Icons.arrow_forward_ios_sharp,
              size: 15,
            ),
          );
        },
      ),
    ),
  ],
),
);
}
}

```

// Define these constants or import them


```
const Color maincolor = Colors.blue;
const Color background = Colors.grey;
const Color font = Colors.black;
```

//recipe.dart

```
import 'package:flutter/material.dart';
```

```
class Recipe extends StatelessWidget {
  Recipe({super.key});
```

```
  // List of ingredients and their quantities
  final List<Map<String, String>> ingredients = [
    {'icon': 'dough-rolling', 'value': '250g'},
    {'icon': 'cheese', 'value': '120g'},
    {'icon': 'meat', 'value': '100g'},
    {'icon': 'sausage', 'value': '50g'},
  ];
```

@override

```
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.white,
    body: SafeArea(
      child: CustomScrollView(
        slivers: [
          _buildSliverAppBar(context),
          SliverToBoxAdapter(
            child: _buildBody(),
          ),
        ],
      ),
    ),
  );
}
```

// Build the sliver app bar

```
Widget _buildSliverAppBar(BuildContext context) {
  return SliverAppBar(
    automaticallyImplyLeading: false,
    backgroundColor: Colors.white,
```

```

expandedHeight: 400,
flexibleSpace: FlexibleSpaceBar(
  background: Image.asset(
    'images/lunch1.jpg',
    fit: BoxFit.cover,
  ),
),
bottom: PreferredSize(
  preferredSize: const Size.fromHeight(10),
  child: Container(
    width: double.infinity,
    height: 50,
    decoration: const BoxDecoration(
      borderRadius: BorderRadius.only(
        topLeft: Radius.circular(70),
        topRight: Radius.circular(70),
      ),
      color: Colors.white,
    ),
    child: Column(
      children: [
        const SizedBox(height: 15),
        Container(
          width: 80,
          height: 4,
          color: Colors.grey,
        ),
      ],
    ),
  ),
),
actions: [
  Padding(
    padding: const EdgeInsets.symmetric(horizontal: 10),
    child: CircleAvatar(
      backgroundColor: const Color.fromRGBO(250, 250, 250, 0.6),
      radius: 18,
      child: Icon(
        Icons.favorite_border,
        size: 25,

```

```

        color: Colors.grey,
      ),
    ),
  ),
],
title: Padding(
  padding: const EdgeInsets.symmetric(horizontal: 10),
  child: CircleAvatar(
    backgroundColor: const Color.fromRGBO(250, 250, 250, 0.6),
    radius: 18,
    child: GestureDetector(
      onTap: () {
        Navigator.pop(context);
      },
      child: Icon(
        Icons.arrow_back,
        size: 25,
        color: Colors.grey,
      ),
    ),
  ),
),
);
}

```

```

// Build the body of the screen
Widget _buildBody() {
  return SingleChildScrollView(
    child: Container(
      color: Colors.white,
      child: Column(
        children: [
          const SizedBox(height: 20),
          _buildStatsRow(),
          const SizedBox(height: 20),
          _buildSectionTitle('Ingredients'),
          const SizedBox(height: 15),
          _buildIngredientsList(),
          const SizedBox(height: 20),
          _buildSectionTitle('Recipe'),

```

```

        const SizedBox(height: 15),
        _buildRecipeDetails(),
      ],
    ),
  ),
);
}

```

// Build stats row

```

Widget _buildStatsRow() {
  return Row(
    mainAxisAlignment: MainAxisAlignment.spaceAround,
    children: [
      _buildStatItem('images/flash.png', '120'),
      _buildStatItem('images/meat.png', '150'),
      _buildStatItem('images/calories.png', '10'),
      _buildStatItem('images/star.png', '4.4'),
    ],
  );
}

```

// Build a single stat item

```

Widget _buildStatItem(String asset, String value) {
  return Column(
    children: [
      Image.asset(
        asset,
        width: 33,
        height: 33,
      ),
      const SizedBox(height: 5),
      Text(
        value,
        style: const TextStyle(
          fontSize: 15,
          color: Colors.grey,
        ),
      ),
    ],
  );
}

```

```
}
```

```
// Build section title
```

```
Widget _buildSectionTitle(String title) {  
  return Padding(  
    padding: const EdgeInsets.only(left: 15),  
    child: Row(  
      children: [  
        Text(  
          title,  
          style: const TextStyle(  
            fontSize: 20,  
            color: Colors.black,  
            fontWeight: FontWeight.bold,  
          ),  
        ),  
      ],  
    ),  
  );  
}
```

```
// Build ingredients list
```

```
Widget _buildIngredientsList() {  
  return SingleChildScrollView(  
    scrollDirection: Axis.horizontal,  
    child: Row(  
      children: ingredients.map((ingredient) {  
        return Padding(  
          padding: const EdgeInsets.symmetric(horizontal: 7),  
          child: Container(  
            width: 90,  
            height: 40,  
            decoration: BoxDecoration(  
              color: Colors.white,  
              borderRadius: BorderRadius.circular(15),  
              boxShadow: const [  
                BoxShadow(  
                  offset: Offset(1, 1),  
                  color: Colors.grey,  
                  blurRadius: 7,  
                ),  
              ],  
            ),  
          ),  
        ),  
      ],  
    ),  
  );  
}
```

```

    ),
  ],
),
child: Row(
  mainAxisAlignment: MainAxisAlignment.spaceAround,
  children: [
    Image.asset(
      'images/${ingredient['icon']}.png',
      width: 20,
      height: 20,
    ),
    Text(
      ingredient['value']!,
      style: const TextStyle(
        fontSize: 15,
        color: Colors.black,
      ),
    ),
  ],
),
),
);
}).toList(),
),
);
}

```

// Build recipe details

```

Widget _buildRecipeDetails() {
  return Padding(
    padding: const EdgeInsets.symmetric(horizontal: 15),
    child: Text(
      ""

```

“Bloom” the yeast by sprinkling the sugar and yeast in the warm water. Let sit for 10 minutes, until bubbles form on the surface.

In a large bowl, combine the flour and salt. Make a well in the middle and add the olive oil and bloomed yeast mixture. Using a spoon, mix until a shaggy dough begins to form.

Once the flour is mostly hydrated, turn the dough out onto a clean work surface and knead for 10-15 minutes. The dough should be soft, smooth, and bouncy. Form the dough into a taut round.

Grease a clean, large bowl with olive oil and place the dough inside, turning to coat with the oil. Cover with plastic wrap. Let rise for at least an hour, or up to 24 hours.

```
Enjoy!\"",
    style: const TextStyle(
      fontSize: 16,
      color: Colors.black,
    ),
    textAlign: TextAlign.justify,
  ),
);
}
```

//search.dart

```
import 'package:flutter/material.dart';
import 'package:pro/consent/appbar.dart';

class Search extends StatefulWidget {
  const Search({super.key});

  @override
  State<Search> createState() => _SearchState();
}

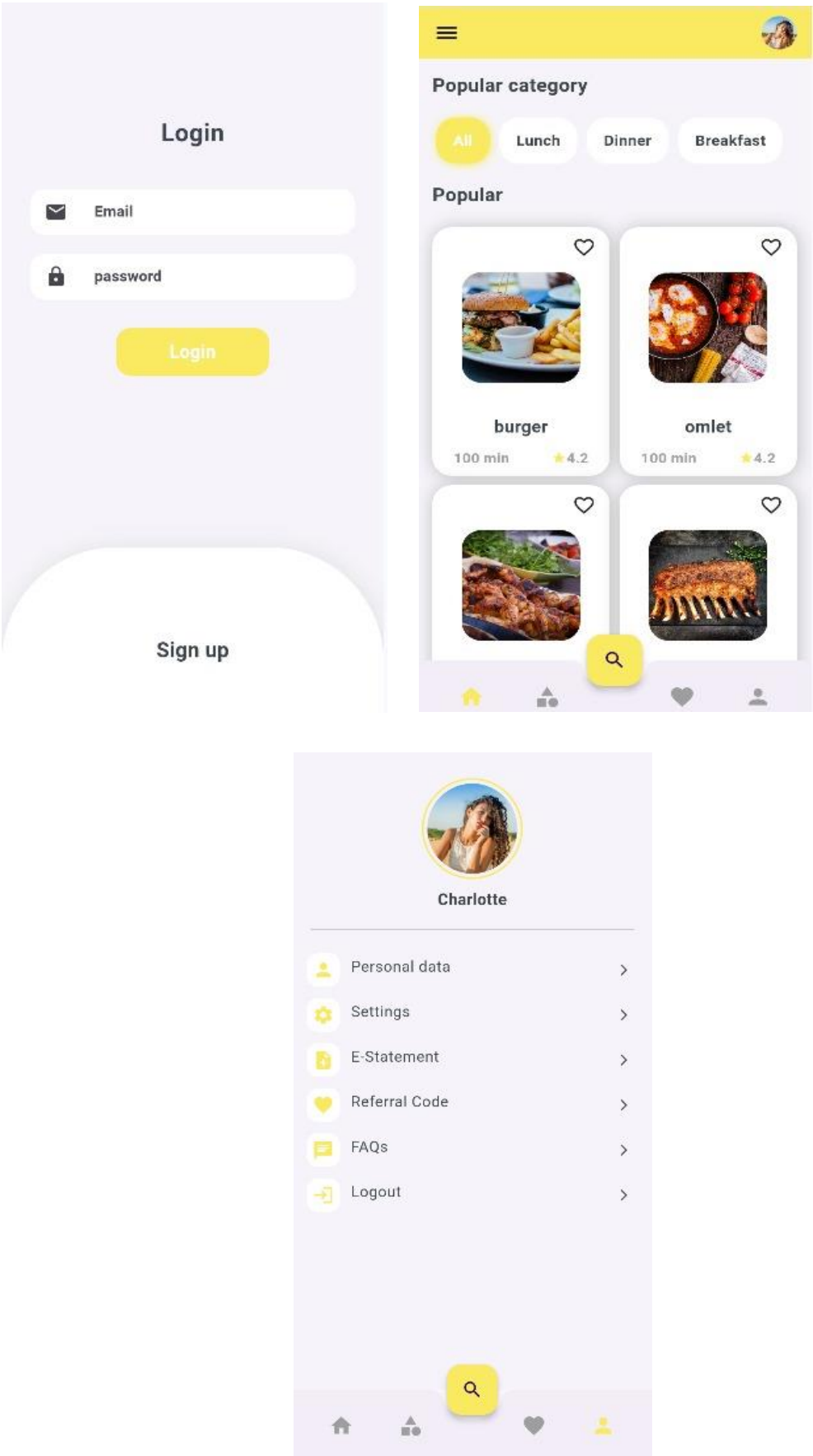
class _SearchState extends State<Search> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: appbar(),
      body: SafeArea(
        child: CustomScrollView(
          slivers: [
            SliverToBoxAdapter(
              child: Padding(
                padding:
```

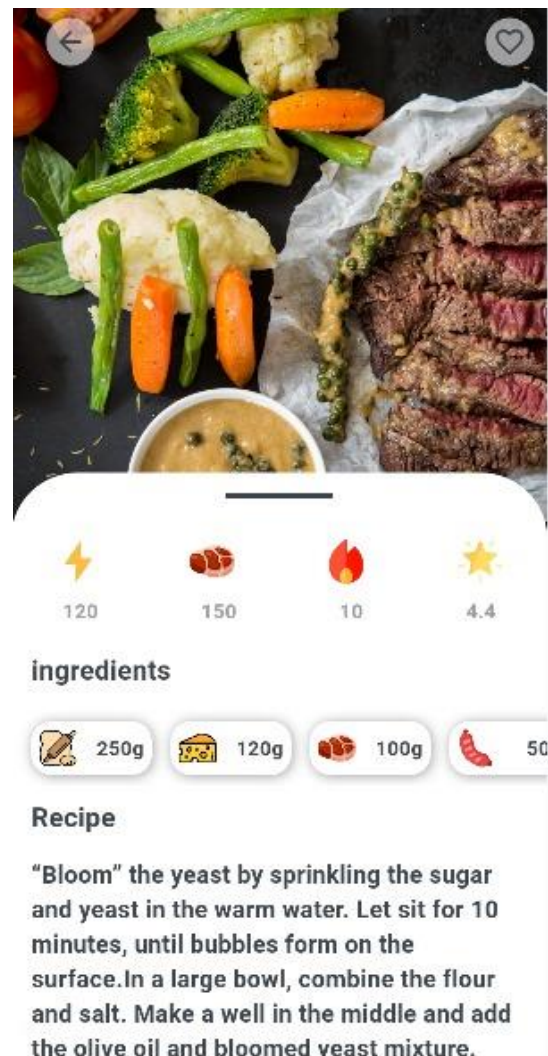
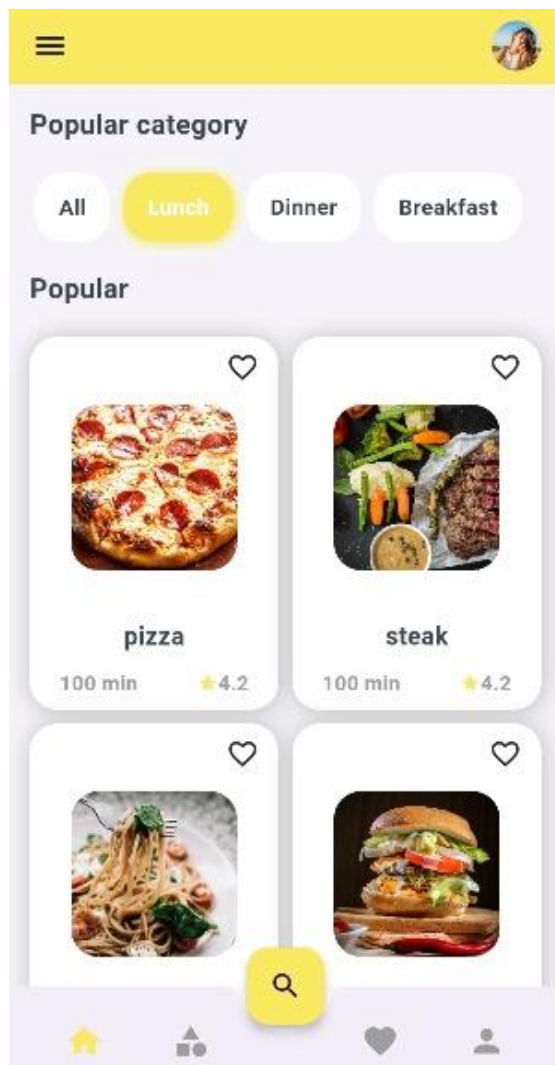
```
const EdgeInsets.symmetric(horizontal: 15, vertical: 20),
child: Container(
width: double.infinity,
height: 55,
padding: const EdgeInsets.only(left: 10),
decoration: BoxDecoration(
color: Colors.white,
borderRadius: BorderRadius.circular(20),
boxShadow: const [
BoxShadow(
color: Color.fromARGB(255, 185, 185, 185),
offset: Offset(1, 1),
blurRadius: 15,
),
],
),
child: const TextField(
decoration: InputDecoration(
border: InputBorder.none,
hintText: 'Search your recipe',
icon: Icon(Icons.search),
),
),
),
),
),
),
),
),
),
),
),
),
);
}
```

```
//colors.dart
```

```
import 'package:flutter/material.dart';
const Color maincolor = Color(0xFF6200EA); // Main theme color (purple as an
example)
const Color background = Color(0xFFFF5F5F5); // Background color (light gray)
const Color font = Color(0xFF333333); // Font color (dark gray)
```


OUTPUT





GitHub: https://github.com/geetika1609/Recipe_Finder

