# DESARROLLO DE APP MOVILES I

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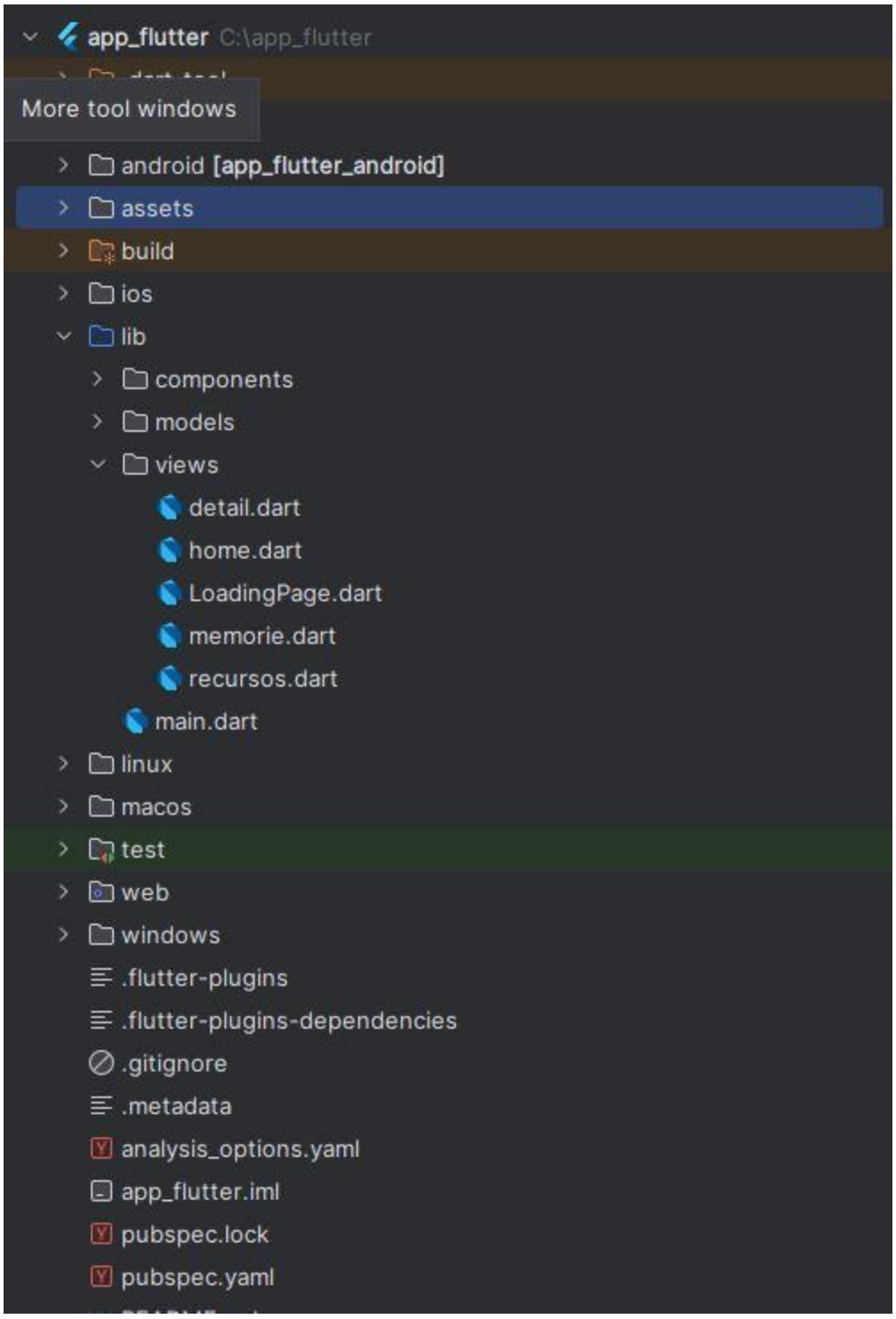
1.

## Inicio de sesión

11/03/2025

1. **Estructura del Proyecto**



## 2. Main.dart

main.dart × home.dart recursos.dart LoadingPage.dart pubspec.yaml

```dart
import 'package:app_flutter/views/LoadingPage.dart';
import 'package:app_flutter/views/home.dart';
import 'package:app_flutter/views/recursos.dart';
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      home: Recursos(),
    );  // MaterialApp
  }
}

```

## 3. Home.dart

main.dart × home.dart × recursos.dart LoadingPage.dart pubspec.yaml memorie.dart

```dart
import 'package:flutter/material.dart';
import 'package:shared_preferences/shared_preferences.dart';
import '../components/CustomSearchBar.dart';
import '../components/ItemNews.dart';
import '../models/trending.dart';
import 'LoadingPage.dart';
import 'detail.dart';

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

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

class _HomeState extends State<Home> {

  List<Trending> trending = [
    Trending(
      category: "Tendencias",
      hashtag: "SIDA",
      published: "7.164 publicaciones"
    ),
    Trending(
      category: "Tendencias en Mexico",
      hashtag: "Costco",
      published: "20,6 mil publicaciones"
    ),
    Trending(
      category: "Tendencias en Mexico",
      hashtag: "Sams",
      published: "20,4 mil publicaciones"
    )
  ];

```

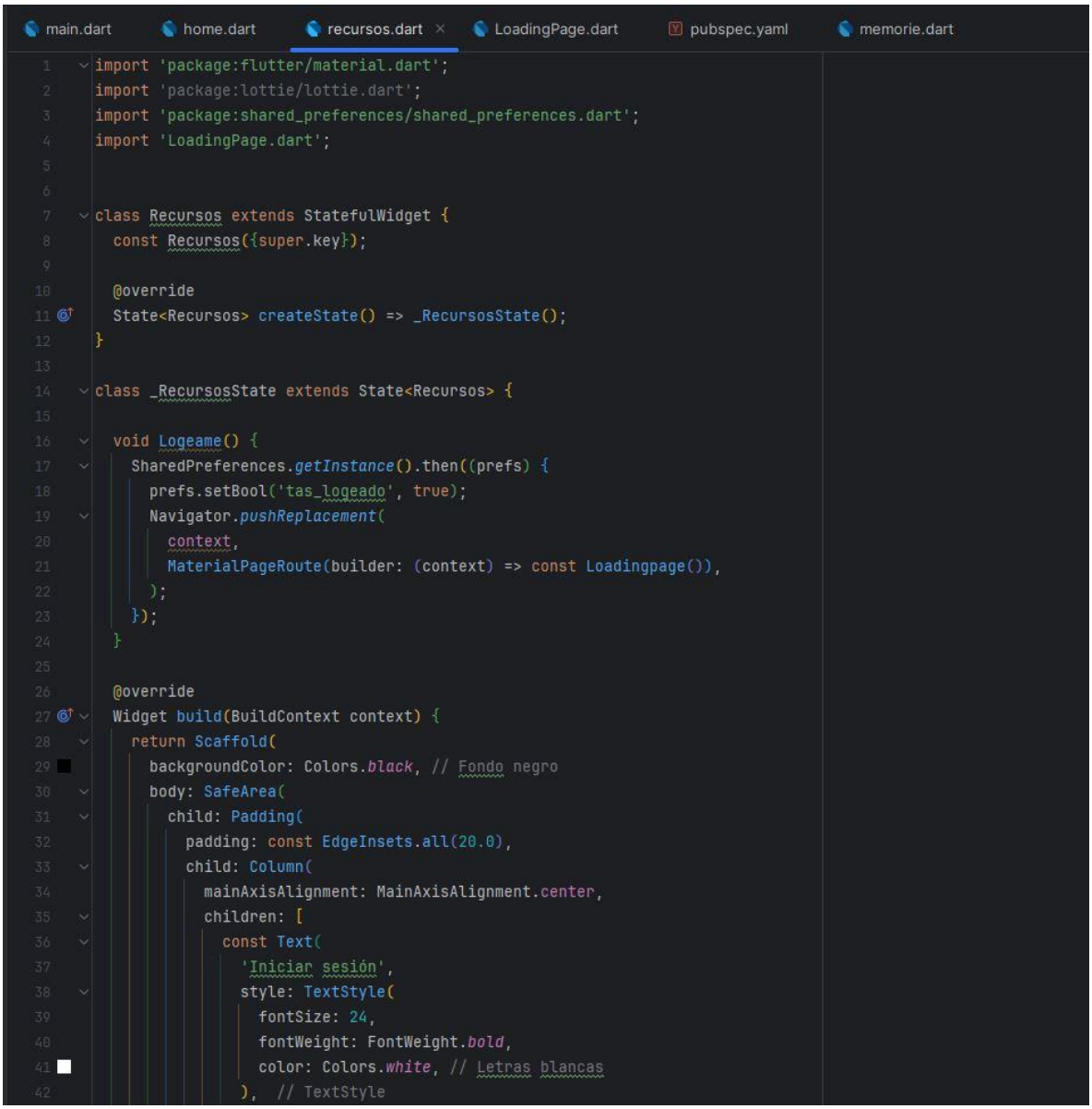
```dart
List<Trending> trending_filtered = [];

@override
void initState() {
  super.initState();
  trending_filtered = trending;
}


void onSubmitted(String value) {
  setState(() {
    if(value.isEmpty){
      trending_filtered = trending;
      return;
    }
    trending_filtered = trending.where((element) => element.hashtag.toLowerCase().contains(value.toLowerCase())).toList();
  });
}


void moveToDetail(Trending item) {
  Navigator.push(
    context,
    MaterialPageRoute(
      builder: (context) => Detail(
        item: item,
      ),  // Detail
    ),  // MaterialPageRoute
  );
```

```dart
  void DesLogeame() {
    SharedPreferences.getInstance().then((prefs) {
      prefs.setBool('tas_logeado', false);
      Navigator.pushReplacement(
        context,
        MaterialPageRoute(builder: (context) => const Loadingpage()),
      );
    });
  }
```

```dart
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.black,
    appBar: AppBar(
      backgroundColor: Colors.black, // Fondo negro para la barra superior
      title: const Text(
        'Home (Aaron Hdez)',
        style: TextStyle(
          color: Colors.white,
          fontSize: 30,
          fontWeight: FontWeight.bold,
        ), // Texto blanco en la AppBar  // TextStyle
      ),  // Text
      actions: [
        IconButton(
          icon: const Icon(Icons.logout, color: Colors.white), // Icono de logout
          onPressed: () {
            DesLogeame(); // También cierra sesión al presionar logout
          },
        ),  // IconButton
      ],
      elevation: 0, // Quita la sombra de la AppBar
    ),  // AppBar
```

```
    body: SafeArea(
      child: Padding(
        padding: const EdgeInsets.symmetric(horizontal: 15),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Customsearchbar(
              onSubmitted: onSubmitted,
            ),  // Customsearchbar
            Text(
              "Qué está pasando?",
              style: TextStyle(
                color: Colors.white,
                fontSize: 28,
                fontWeight: FontWeight.bold,
              ),  // TextStyle
            ),  // Text
            SizedBox(
              height: 20,
            ),  // SizedBox
            Expanded(
              child: ListView.builder(
                itemCount: trending_filtered.length,
                itemBuilder: (_, index) {
                  return ItemNews(
                    trending: trending_filtered[index],
                    onTap: () => moveToDetail(trending_filtered[index]),
                  );  // ItemNews
                },
              ),  // ListView.builder
            )  // Expanded
          ],
        ),  // Column
      )  // Padding
    ),  // SafeArea
  );  // Scaffold
  }
}
```

## 4. Recursos.dart



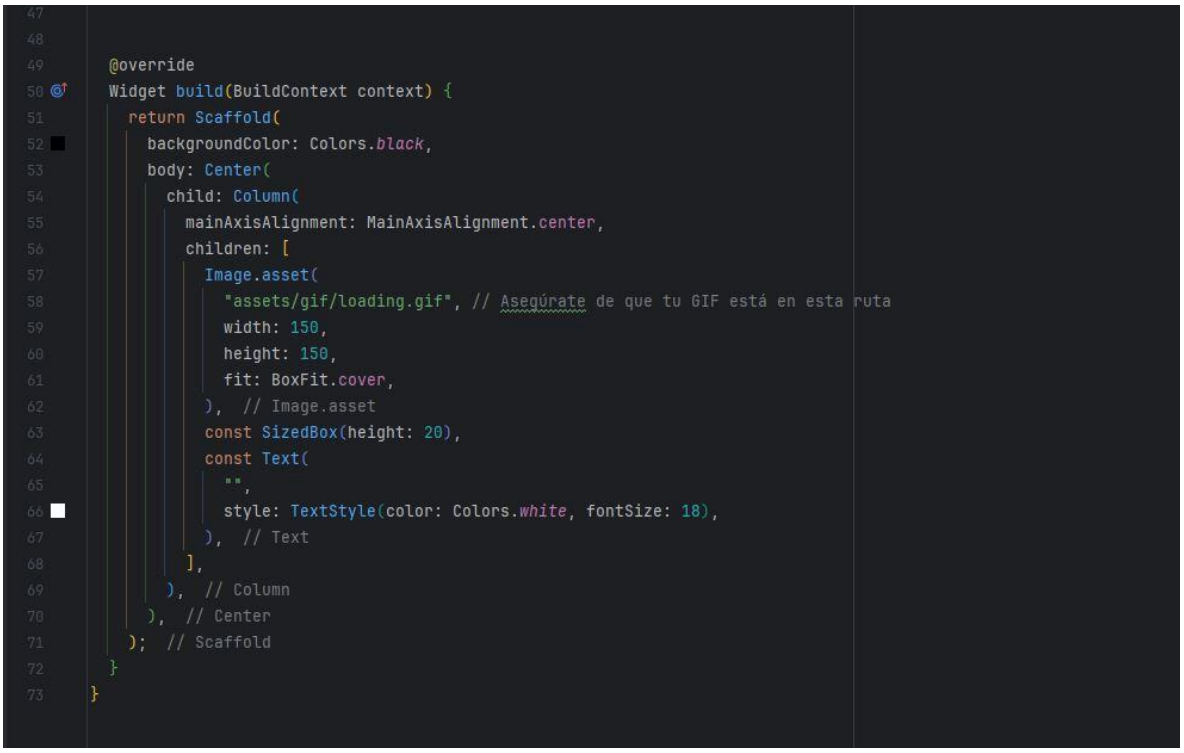
```dart
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.black, // Fondo negro
    body: SafeArea(
      child: Padding(
        padding: const EdgeInsets.all(20.0),
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            const Text(
              'Iniciar sesión',
              style: TextStyle(
                fontSize: 24,
                fontWeight: FontWeight.bold,
                color: Colors.white, // Letras blancas
              ),  // TextStyle
            ),  // Text
            const SizedBox(height: 30),

            // Campo de correo
            TextField(
              keyboardType: TextInputType.emailAddress,
              style: const TextStyle(color: Colors.white), // Texto blanco
              decoration: InputDecoration(
                labelText: 'Correo electrónico',
                labelStyle: const TextStyle(color: Colors.white), // Etiqueta blanca
                enabledBorder: OutlineInputBorder(
                  borderSide: const BorderSide(color: Colors.white), // Borde blanco
                  borderRadius: BorderRadius.circular(10),
                ),  // OutlineInputBorder
                focusedBorder: OutlineInputBorder(
                  borderSide: const BorderSide(color: Colors.blue), // Borde azul al seleccionar
                  borderRadius: BorderRadius.circular(10),
                ),  // OutlineInputBorder
              ),  // InputDecoration
            ),  // TextField
            const SizedBox(height: 20),
```

```dart
            // Campo de contraseña
            TextField(
              obscureText: true,
              style: const TextStyle(color: Colors.white), // Texto blanco
              decoration: InputDecoration(
                labelText: 'Contraseña',
                labelStyle: const TextStyle(color: Colors.white), // Etiqueta blanca
                enabledBorder: OutlineInputBorder(
                  borderSide: const BorderSide(color: Colors.white), // Borde blanco
                  borderRadius: BorderRadius.circular(10),
                ),  // OutlineInputBorder
                focusedBorder: OutlineInputBorder(
                  borderSide: const BorderSide(color: Colors.blue), // Borde azul al seleccionar
                  borderRadius: BorderRadius.circular(10),
                ),  // OutlineInputBorder
              ),  // InputDecoration
            ),  // TextField
            const SizedBox(height: 40),

            // Botón de login
            GestureDetector(
              onTap: Logeame,
              child: Container(
                height: 60,
                width: double.infinity,
                decoration: BoxDecoration(
                  color: Colors.white, // Fondo blanco
                  borderRadius: BorderRadius.circular(10),
                ),  // BoxDecoration
                child: const Center(
                  child: Text(
                    "Logeame",
                    style: TextStyle(
                      color: Colors.black, // Texto negro
                      fontSize: 20,
                      fontWeight: FontWeight.bold,
                    ),  // TextStyle
                  ),  // Text
                ),  // Center
              ),  // Container
            ),  // GestureDetector
```

## 5. LoadingPage.dart

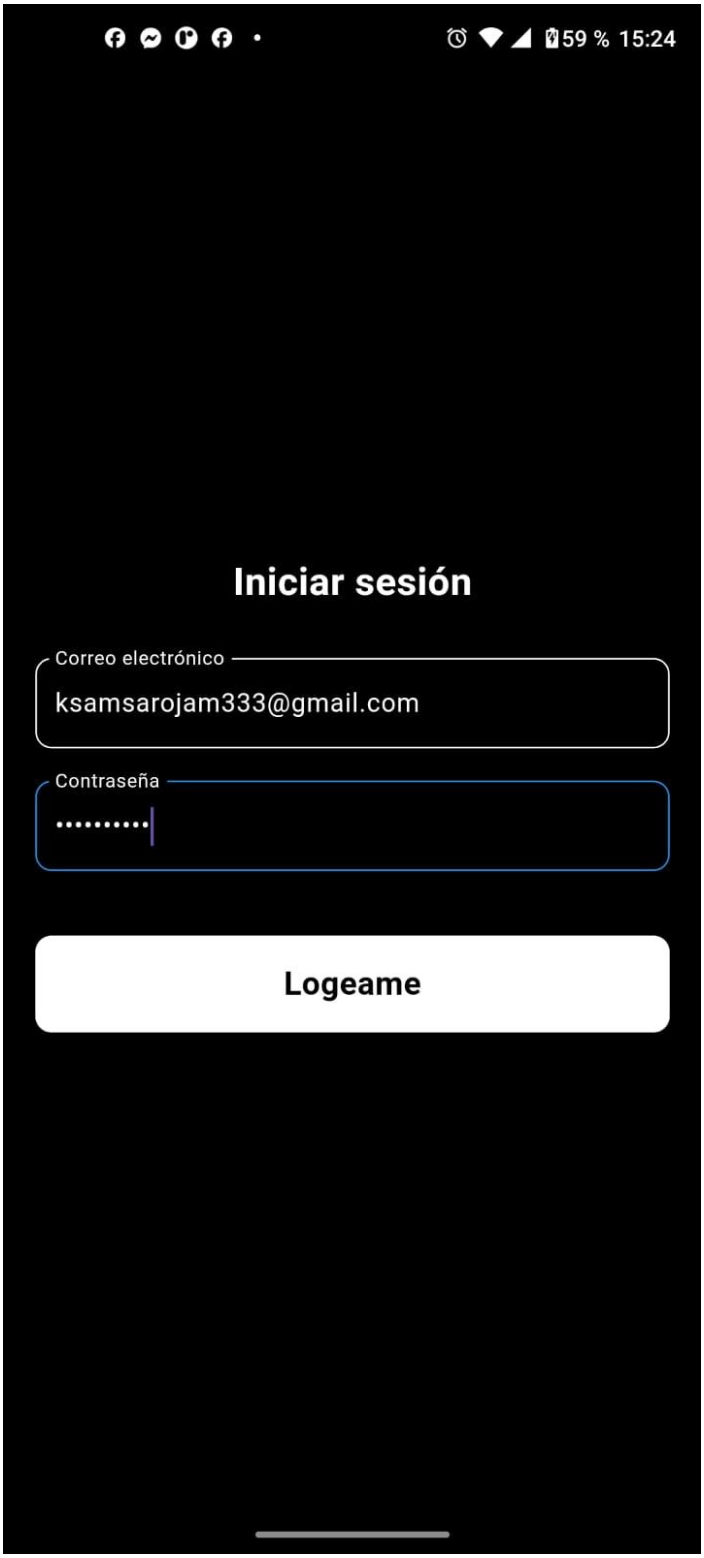
main.dart | home.dart | recursos.dart | LoadingPage.dart | pubspec.yaml | memorie.dart

```dart
import 'package:app_flutter/views/recursos.dart';
import 'package:flutter/material.dart';
import 'package:shared_preferences/shared_preferences.dart';
import 'home.dart';



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

  @override
  State<Loadingpage> createState() => _LoadingpageState();
}

class _LoadingpageState extends State<Loadingpage> {

  @override
  void initState() {
    super.initState();

    Future.delayed(const Duration(seconds: 2), () {
      SharedPreferences.getInstance().then((prefs){
        bool tas_logeado = prefs.getBool('tas_logeado')??false;
        if(tas_logeado){
          Navigator.pushReplacement(
            context,
            MaterialPageRoute(builder: (context) => const Home()),
          );
        }
        else{
          Navigator.pushReplacement(
            context,
            MaterialPageRoute(builder: (context) => const Recursos()),
          );
        }
      });
    });  // Future.delayed

```

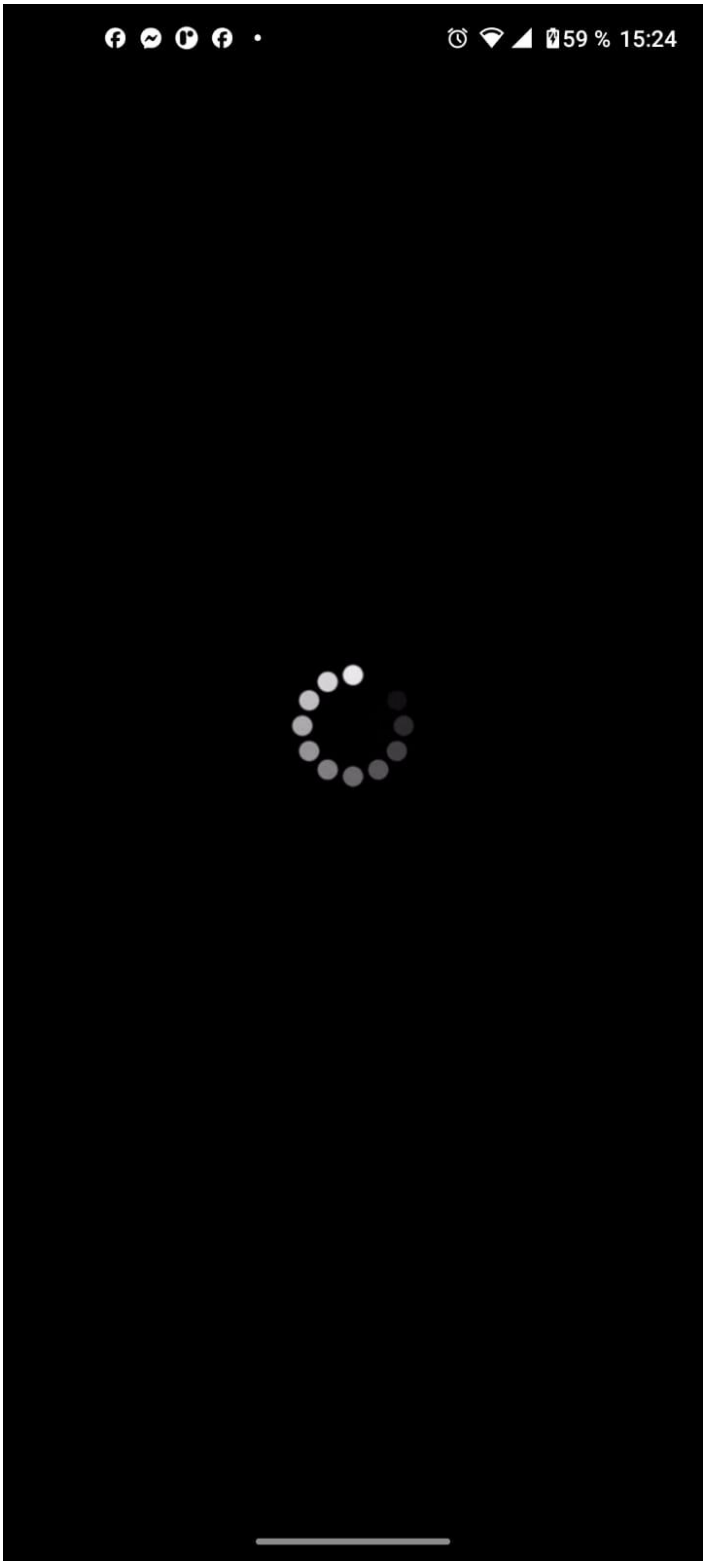


```dart
@override
Widget build(BuildContext context) {
  return Scaffold(
    backgroundColor: Colors.black,
    body: Center(
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          Image.asset(
            "assets/gif/loading.gif", // Asegúrate de que tu GIF está en esta ruta
            width: 150,
            height: 150,
            fit: BoxFit.cover,
          ),  // Image.asset
          const SizedBox(height: 20),
          const Text(
            "",
            style: TextStyle(color: Colors.white, fontSize: 18),
          ),  // Text
        ],
      ),  // Column
    ),  // Center
  );  // Scaffold
}
}
```

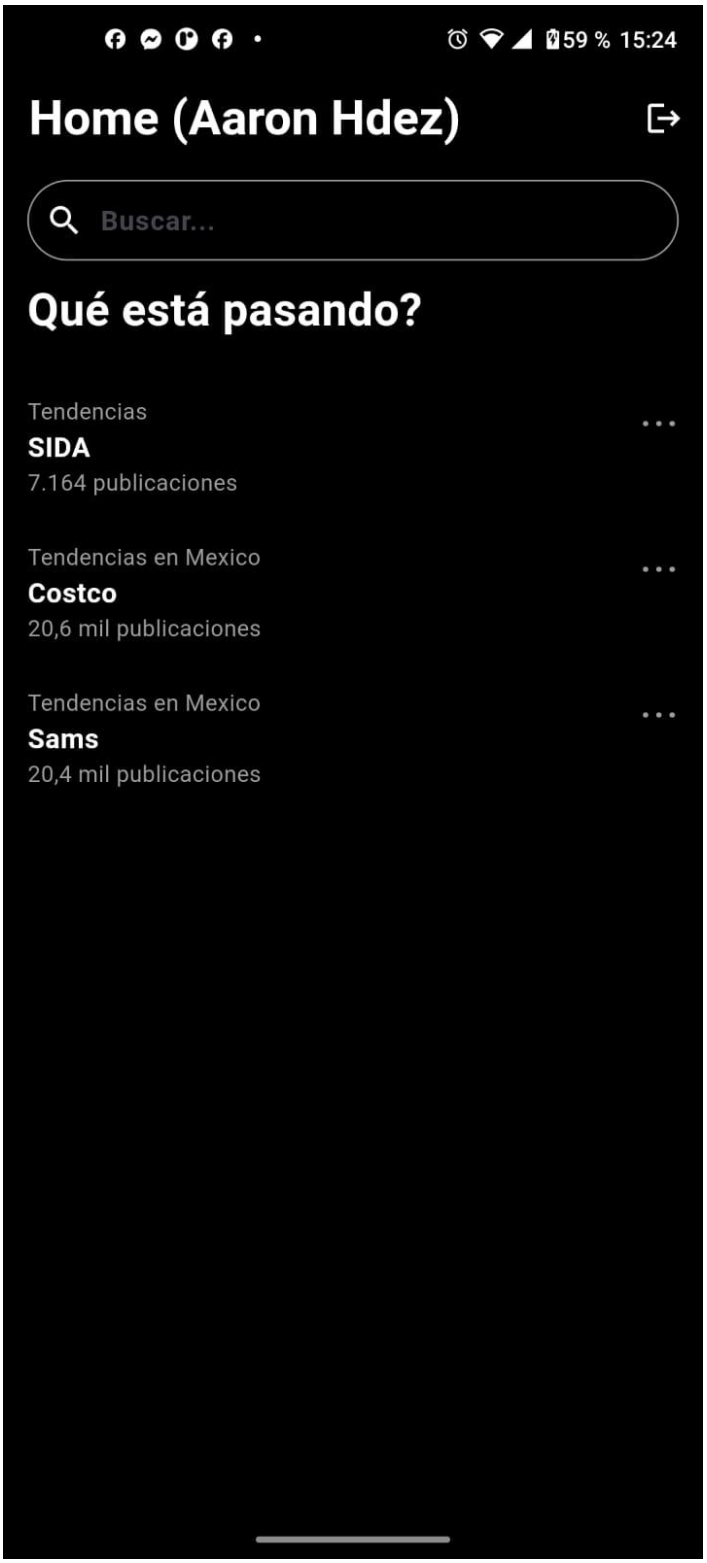
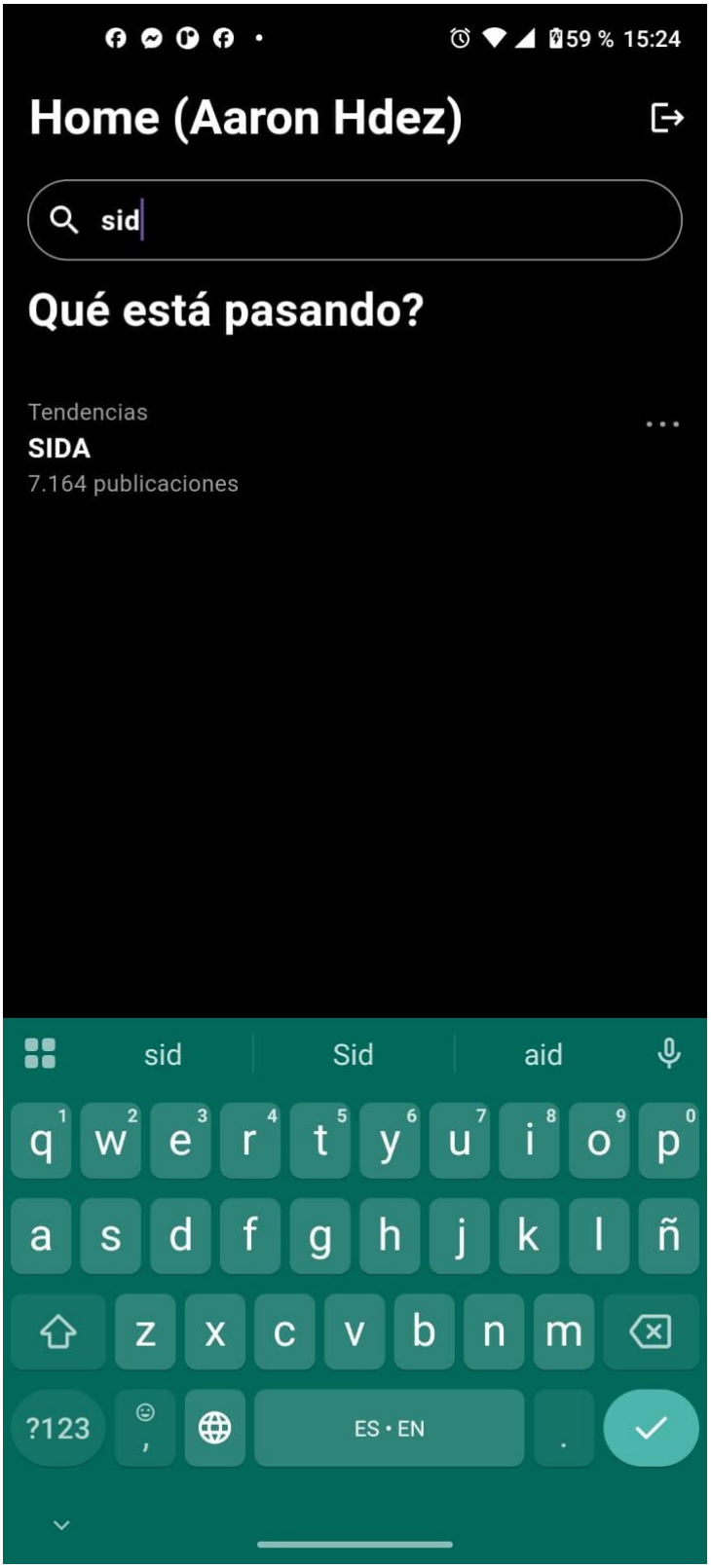
## 6. Emulador (Pantallas)



## 7. Loading (Pantalla)



8. **Home (Pantalla)**



9. **Sida (Pantalla)**