Experiment No:5

Aim:To apply navigation routing and gestures in Flutter App.

Code:
Meeting History Page:

```
import 'package:flutter/material.dart';
import 'package:intl/intl.dart';
import 'package:zoom_meet/resources/firestore_methods.dart';
import 'package:zoom_meet/utils/colors.dart';

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

 @override
 Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
     centerTitle: true,
     backgroundColor: backgroundColor,
     title: const Text('Meeting History'),
    ),
    body: StreamBuilder(
      stream: FirestoreMethods().meetingHistory,
      builder: (context, snapshot) {
       if (snapshot.connectionState == ConnectionState.waiting) {
        return const Center(child: CircularProgressIndicator());
       }

       return ListView.builder(
         itemCount: (snapshot.data! as dynamic).docs.length,
         itemBuilder: (context, index) => ListTile(
          title: Text(
           'Room Id: ${(snapshot.data! as dynamic).docs[index]['meetingName']}',
          ),
          subtitle: Text(
           'Joined On: ${DateFormat.yMMMMd().format((snapshot.data! as
dynamic).docs[index]['createdAt'].toDate())}',
          ),
          trailing: IconButton(
           onPressed: () {
             FirestoreMethods().deleteMeetingHistory(snapshot.data!.docs[index].id);
```

```dart
            },
            icon: const Icon(Icons.delete),
          ),
        ),
      );
    }),
  );
}
}
```

Settings Screen:

```dart
import 'package:flutter/material.dart';
import 'package:zoom_meet/resources/auth_methods.dart';
import 'package:zoom_meet/utils/colors.dart';
import 'package:zoom_meet/widgets/custom_button.dart';

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

  @override
  Widget build(BuildContext context) {
    final AuthMethods _authMethods = AuthMethods();
    return Scaffold(
      appBar: AppBar(
        centerTitle: true,
        backgroundColor: backgroundColor,
        title: const Text('Settings'),
      ),
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        crossAxisAlignment: CrossAxisAlignment.center,
        children: [
          CircleAvatar(
            radius: 60,
            backgroundImage: NetworkImage(_authMethods.user.photoURL!),
          ),
          const SizedBox(height: 20),
          Text(
            _authMethods.user.displayName!,
            style: const TextStyle(
              fontWeight: FontWeight.bold,
              fontSize: 24,
            ),
          ),
```
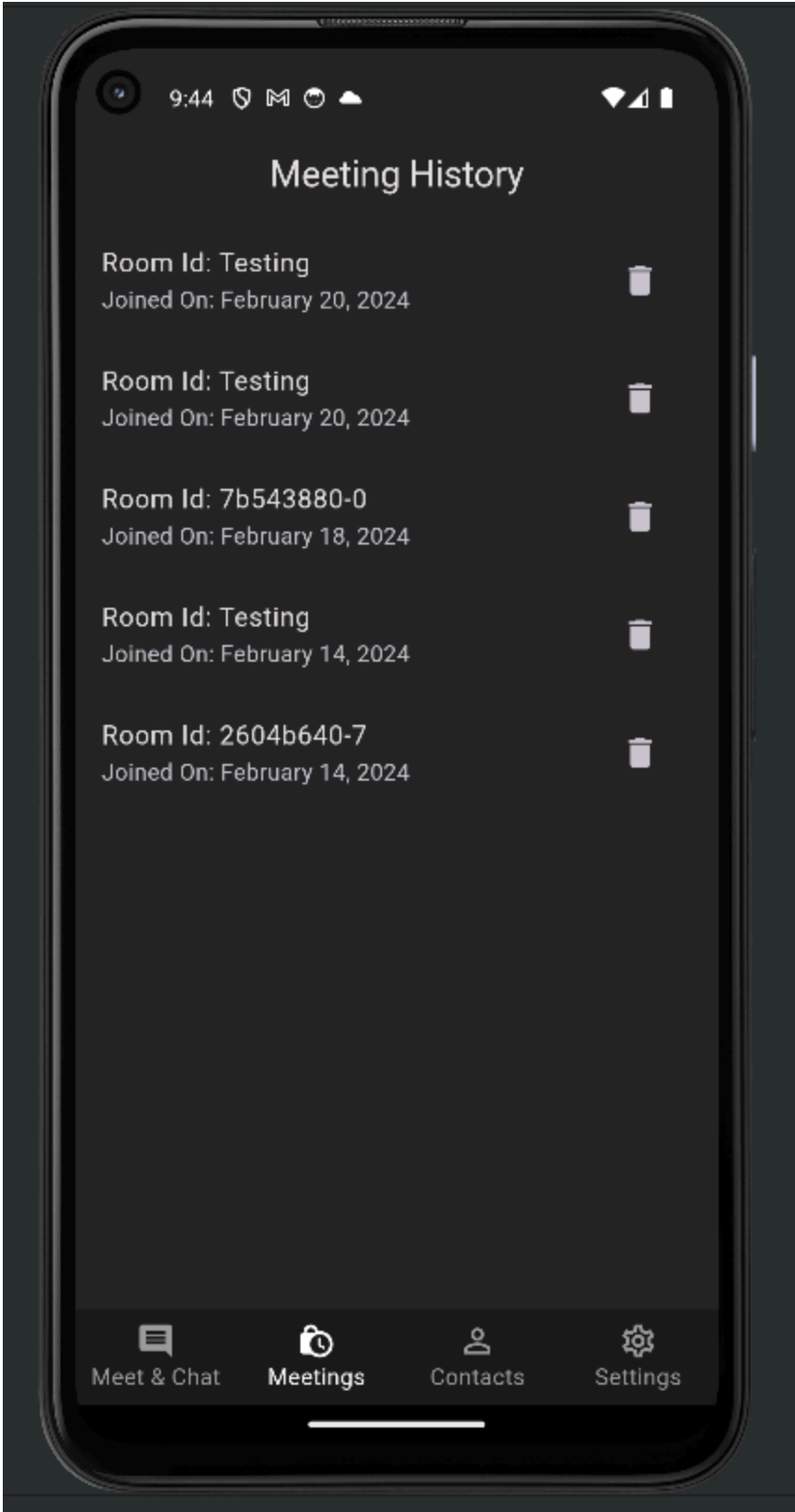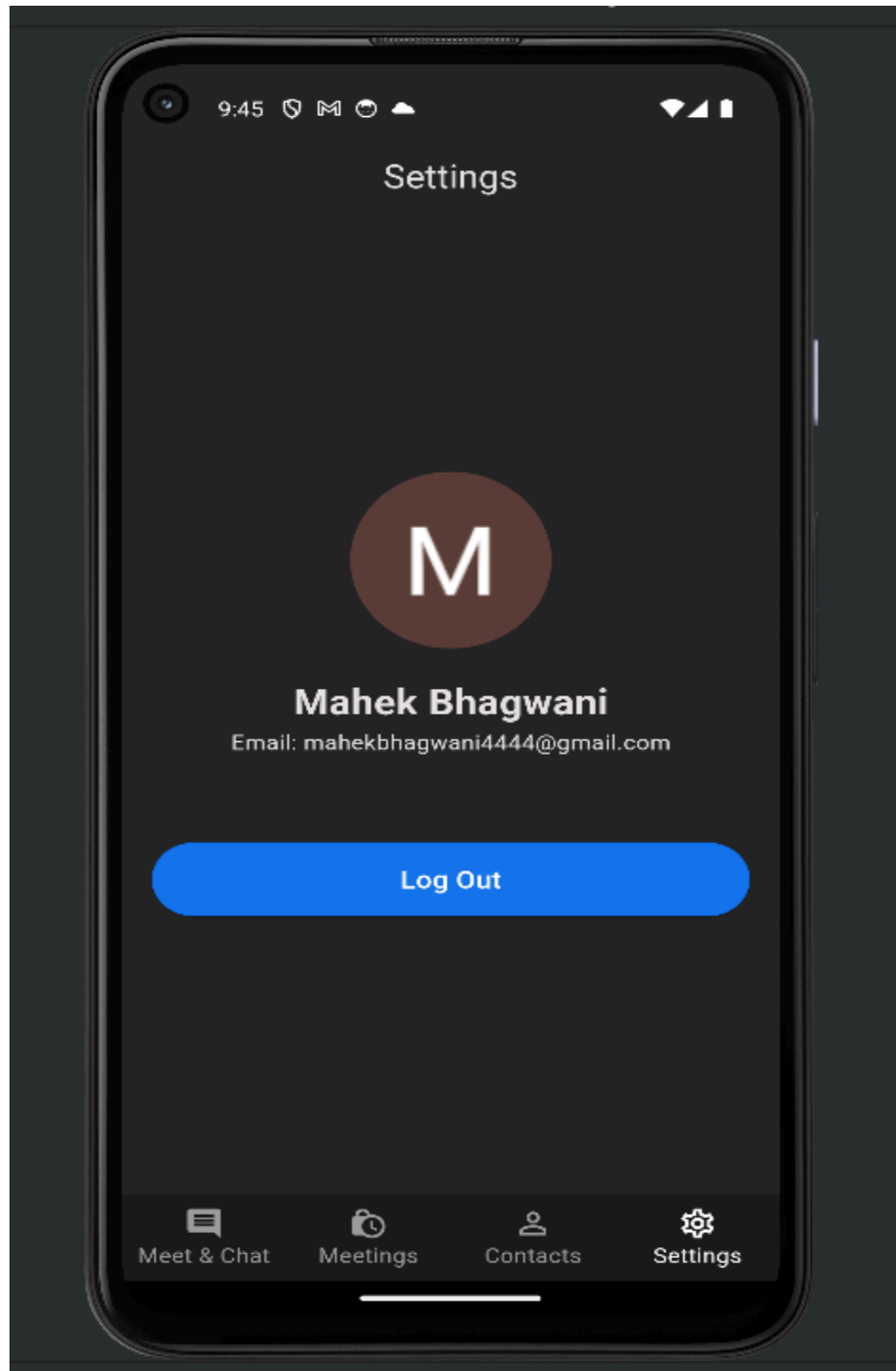
```
        Text('Email: ${_authMethods.user.email}'),
        const SizedBox(height: 40),
        CustomButton(
          text: 'Log Out',
          onPressed: () => AuthMethods().logOut(),
        ),
      ],
    ),
  );
}
}
```

Outputs:

Meeting History

Room Id: Testing
Joined On: February 20, 2024

Room Id: Testing
Joined On: February 20, 2024

Room Id: 7b543880-0
Joined On: February 18, 2024

Room Id: Testing
Joined On: February 14, 2024

Room Id: 2604b640-7
Joined On: February 14, 2024

Meet & Chat   Meetings   Contacts   Settings

Conclusion: In this experiment I learnt about navigation and routing in flutter and successfully implemented it in my project/application.