Department of Information Technology

Academic Year: 2024-25
Semester: VI
Class / Branch / Div: TE- IT C
Subject: MAD & PWA Lab
Name of Instructor: Prof. Sujata Oak

Name of Student:
Student ID:
Roll No.
Date of Submission:

Experiment No.:5

Aim: To apply navigation and routing in Flutter App.

Prerequisites: Android studio, flutter SDK.

Problem Statement: To develop a flutter app with two screens, screen-1 should navigate to screen-2.

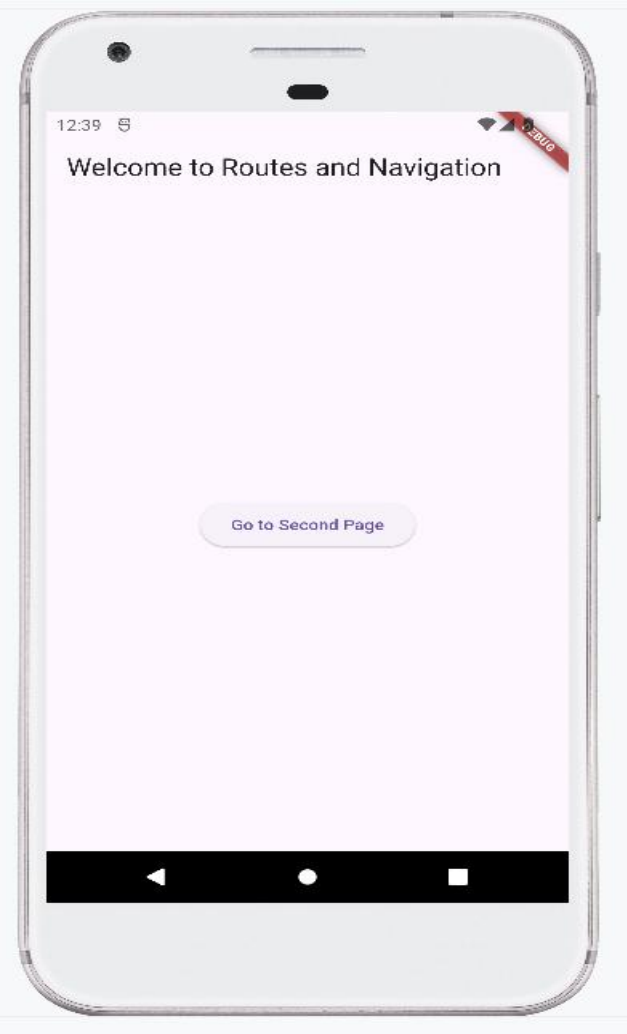
Software: Android studio, flutter SDK.

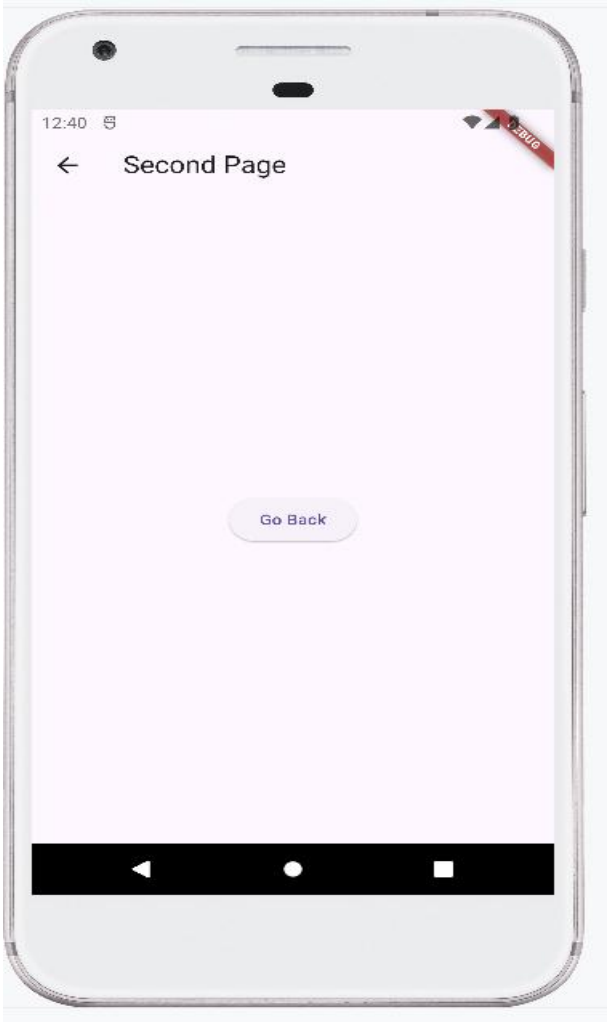
Code:
main.dart

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Navigation Example',
      home: HomePage(), // The starting page
    );
  }
}

// Home Page
class HomePage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Welcome to Routes and Navigation")),
      body: Center(
        child: ElevatedButton(
          onPressed: () {
            // Navigate to SecondPage
```

```
            Navigator.push(
              context,
              MaterialPageRoute(builder: (context) => SecondPage()),
            );
          },
          child: Text("Go to Second Page"),
        ),
      ),
    );
  }
}

// Second Page
class SecondPage extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Second Page")),
      body: Center(
        child: ElevatedButton(
          onPressed: () {
            // Navigate back to the HomePage
            Navigator.pop(context);
          },
          child: Text("Go Back"),
        ),
      ),
    );
  }
}
```

OUTPUT:


12:39
Welcome to Routes and Navigation
Go to Second Page



Conclusion: In this experiment we have apply and understood navigation and routing in Flutter A pp