



PARSHVANATH CHARITABLE TRUST'S
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Department of Information Technology

Academic Year: 2024-25

Semester: VI

Class / Branch / Div: TE- IT C

Subject: MAD & PWA Lab

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Date of Submission: 27/02/25

Experiment No.6

Aim : Apply concepts of gestures in Flutter App.

Prerequisites: Android studio, flutter SDK.

Problem Statement : To develop a flutter UI using GestureDetector widget of flutter.

Software: Android studio, flutter SDK.

Code:

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

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo Application',
      theme: ThemeData(
        primarySwatch: Colors.green,
      ),
      home: MyHomePage(),
    );
  }
}

class MyHomePage extends StatefulWidget {
  @override
  MyHomePageState createState() => new MyHomePageState();
}
```

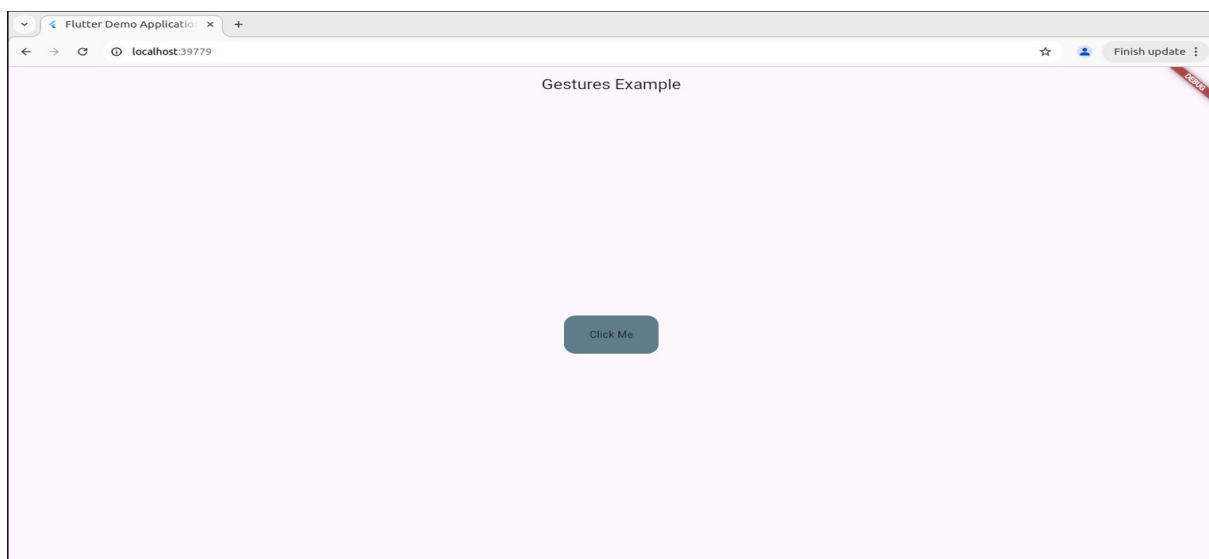


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```
class MyHomePageState extends State<MyHomePage> {  
  @override  
  Widget build(BuildContext context) {  
    return new Scaffold(  
      appBar: new AppBar(  
        title: new Text('Gestures Example'),  
        centerTitle: true,  
      ),  
      body: new Center(  
        child: GestureDetector(  
          onTap: () {  
            print('Box Clicked');  
          },  
          child: Container(  
            height: 60.0,  
            width: 120.0,  
            padding: EdgeInsets.all(10.0),  
            decoration: BoxDecoration(  
              color: Colors.blueGrey,  
              borderRadius: BorderRadius.circular(15.0),  
            ),  
            child: Center(child: Text('Click Me')),  
          )),  
      ),  
    );  
  }  
}
```

Output:





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```
Restarted application in 242ms.  
3 Box Clicked  
Restarted application in 1,356ms.  
2 Box Clicked  
>
```

Conclusion: In this experiment, we have successfully designed a flutter application using GestureDetector to demonstrate a single gesture demo.