LAB-11

SMART DEVICE PROGRAMMING

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GIT REPO:

https://github.com/naikshrey2308/CE073_SDP_Labs

URL Typing Error

```
  Future<void> getTime() async {
    try {
      // Make Request for time and receive response
      Response response = await
      get(Uri.parse(
          'http://worldtimeapi.org/api/timezon/$url')); // Asia/Kolkata
      Map timeData = jsonDecode(response.body);
      // Get particular property form timeData...
      String dateTime = timeData['datetime'];
      String offset = timeData['utc_offset']; //not dst_offset
      String offsetHours = offset.substring(1, 3);
      String offsetMinutes = offset.substring(4, 6);
      // create DateTime object
      DateTime currenttime = DateTime.parse(dateTime);
      currenttime = currenttime.add(Duration(
          minutes: int.parse(offsetMinutes), hours:
int.parse(offsetHours)));
      //set the time property of class...
      time = currenttime.toString();
    }
    catch(e){
      print("Caught Error:$e");
    }
  }
}
```

Code Test 2:

Loading.dart

```
import 'package:flutter/material.dart';
import 'package:http/http.dart';
import 'dart:convert';
import './world_time.dart';

class Loading extends StatefulWidget {
  @override
  State<Loading> createState() => _LoadingState();
}
class _LoadingState extends State<Loading> {
  String? time = 'LOADING.........';
  void setWorldTime() async {
    WorldTime timeinstance = WorldTime(location: 'kolkata', flag:
'india.png',
        url: 'Asia/Kolkata');
    await timeinstance.getTime();
// print(timeinstance.time);
    Navigator.pushReplacementNamed(context,'/home',arguments:{
      'location': timeinstance.location,
      'flag':timeinstance.flag,
      'time':timeinstance.time,
    });
// setState(() {
// time = timeinstance.time;
// });
  }
  @override
  void initState() {
    super.initState();
    setWorldTime();
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
        body: Padding(
          padding: EdgeInsets.all(60.0),
          child: Text(time.toString()),
        )
    );
  }
}
```

choose_location.dart

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

class ChooseLocation extends StatefulWidget {
// const ChooseLocation({Key? key}) : super(key: key);
  @override
  State<ChooseLocation> createState() => _ChooseLocationState();
}
class _ChooseLocationState extends State<ChooseLocation> {
  int counter = 0;
  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```
      backgroundColor: Colors.grey[200],
      appBar: AppBar(
        backgroundColor: Colors.redAccent,
        title: Text('CHOOSE LOCATION'),
        centerTitle: true,
        elevation: 0,
      ),
    );
  }
}
```

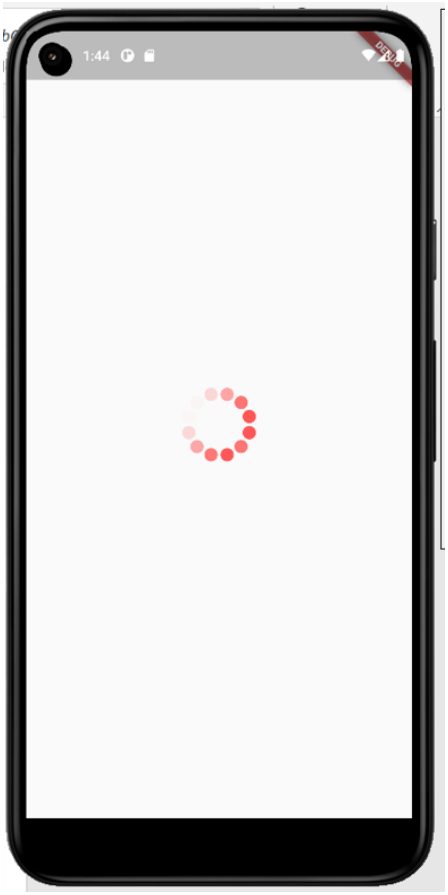
home.dart

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

class Home extends StatefulWidget {
  const Home({Key? key}) : super(key: key);

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

class _HomeState extends State<Home> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: Container(
          padding: EdgeInsets.all(8.0),
          child: TextButton.icon(
            onPressed: () {
              Navigator.pushNamed(context, "/location");
            },
            icon: Icon(Icons.edit_location,
              color: Colors.redAccent,
            ),
            label: Text("Edit Location",
              style: TextStyle(
                fontSize: 18.0,
                color: Colors.redAccent,
              ),
            ),
          ),
        ),
      ),
    );
  }
}
```

Code Test 3:

Loading.dart

```
@override
Widget build(BuildContext context) {
  return Scaffold(
      body: Center(
        child: SpinKitFadingCircle(
          color: Colors.redAccent,
          size: 90.0,
        ),
      )
  );
```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