



WEEKLY REPORT

In this report students require to mention the work has been done during the week and planning for the next week. (Please fill individual report for each week)

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From Date: 06/06/2022	To Date: 10/06/2022
Semester: 6th	Internship ID:

Work done in last week:

1. Fetching data through Bitcoin API, displaying on the app and updating values every 10 seconds making the password change screen, and trying to implement.

Code:

InternetData.dart

```
import 'dart:convert';

import 'package:http/http.dart' as http;
import 'package:http/http.dart';

class InternetData {
  dynamic responseData;
  Future<dynamic> fetchData() async {
    Response response;
    String msg;
    var url = Uri.parse('https://api.coincap.io/v2/assets/bitcoin');
    response = await http.get(url);

    if (response.statusCode == 200) {
      responseData = jsonDecode(response.body);
      return responseData;
    } else {
      return msg = 'Unable to fetch data';
    }
  }
}
```

```
}
```

HomeScreen.dart

```
import 'dart:async';
import 'package:google_fonts/google_fonts.dart';
import 'package:annonymus_app/helper%20class/constants.dart';
import 'package:firebase_auth/firebase_auth.dart';
import 'package:flutter/material.dart';
import 'package:url_launcher/url_launcher.dart';
import 'package:url_launcher/url_launcher_string.dart';

import '../helper class/AppDrawer.dart';
import 'SignIn.dart';
import 'package:annonymus_app/helper%20class/InternetData.dart';

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Color.fromARGB(255, 39, 39, 39),
      body: HomeScreen(),
    );
  }
}

class HomeScreen extends StatefulWidget {
  @override
  State<HomeScreen> createState() => _HomeScreenState();
}

class _HomeScreenState extends State<HomeScreen> {
  Color clr = Color.fromARGB(255, 52, 149, 40);
  //Color clrRed = Colors.red;
  var price;
  var price_change;
  var change_percent;
  dynamic responseData;
  InternetData id = new InternetData();

  @override
  void initState() {
    getData();
    Timer.periodic(Duration(seconds: 10), (timer) => getData());

    super.initState();
  }
}
```

```

void getData() async {
  responseData = await id.fetchData();
  setState(() {
    price = responseData['data']['priceUsd'];
    print(price);
    price = double.parse(price).round();

    change_percent = responseData['data']['changePercent24Hr'];
    change_percent = double.parse(change_percent).roundToDouble();
    price_change = price * change_percent! / 100;
    price_change = price_change.roundToDouble();
    if (change_percent! < 0) {
      clr = Color.fromARGB(255, 200, 13, 7);
    }
  });
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    drawer: NavDrawer(),
    backgroundColor: Color.fromARGB(255, 32, 31, 31),
    body: SafeArea(
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.stretch,
        children: <Widget>[
          Expanded(
            child: Container(
              color: Color.fromARGB(255, 32, 31, 31),
              child: Column(
                children: <Widget>[
                  Row(
                    mainAxisAlignment: MainAxisAlignment.spaceEvenly,
                    children: <Widget>[
                      FlatButton(
                        onPressed: () {},
                        child: Icon(
                          Icons.menu_rounded,
                          size: 35.0,
                          color: Colors.white,
                        ),
                      ),
                      SizedBox(
                        width: 200.0,
                      ),
                      ElevatedButton(
                        child: Text('Log Out'),

```

```

        onPressed: () {
          FirebaseAuth.instance.signOut().then((value) {
            print('Signed Out');
            Navigator.push(
              context,
              MaterialPageRoute(
                builder: (context) => SignInScreen()),
            );
          },
        ),
      ],
    ),
    Text(
      'Bitcoin Tracker',
      style: GoogleFonts.sourceSansPro(
        fontWeight: FontWeight.normal,
        color: ylw,
        fontSize: 20.0,
      ),
    ),
    SizedBox(
      height: 20.0,
    ),
    Container(
      padding: EdgeInsets.all(15.0),
      width: 200.0,
      height: 190.0,
      decoration: BoxDecoration(
        color: Color.fromARGB(255, 237, 234, 219),
        borderRadius: BorderRadius.circular(10.0),
        boxShadow: [
          BoxShadow(
            color: Color.fromARGB(255, 128, 132, 134),
            blurRadius: 10,
            spreadRadius: 1,
            offset: Offset(4, 4),
          )
        ],
      ),
    child: Column(
      children: <Widget>[
        CircleAvatar(
          radius: 35,
          backgroundImage: AssetImage('assets/bitcoin.jpg'),
        ),
        Text(
          '\$ $price',
          style: TextStyle(
            color: clr,
            fontWeight: FontWeight.bold,

```

```

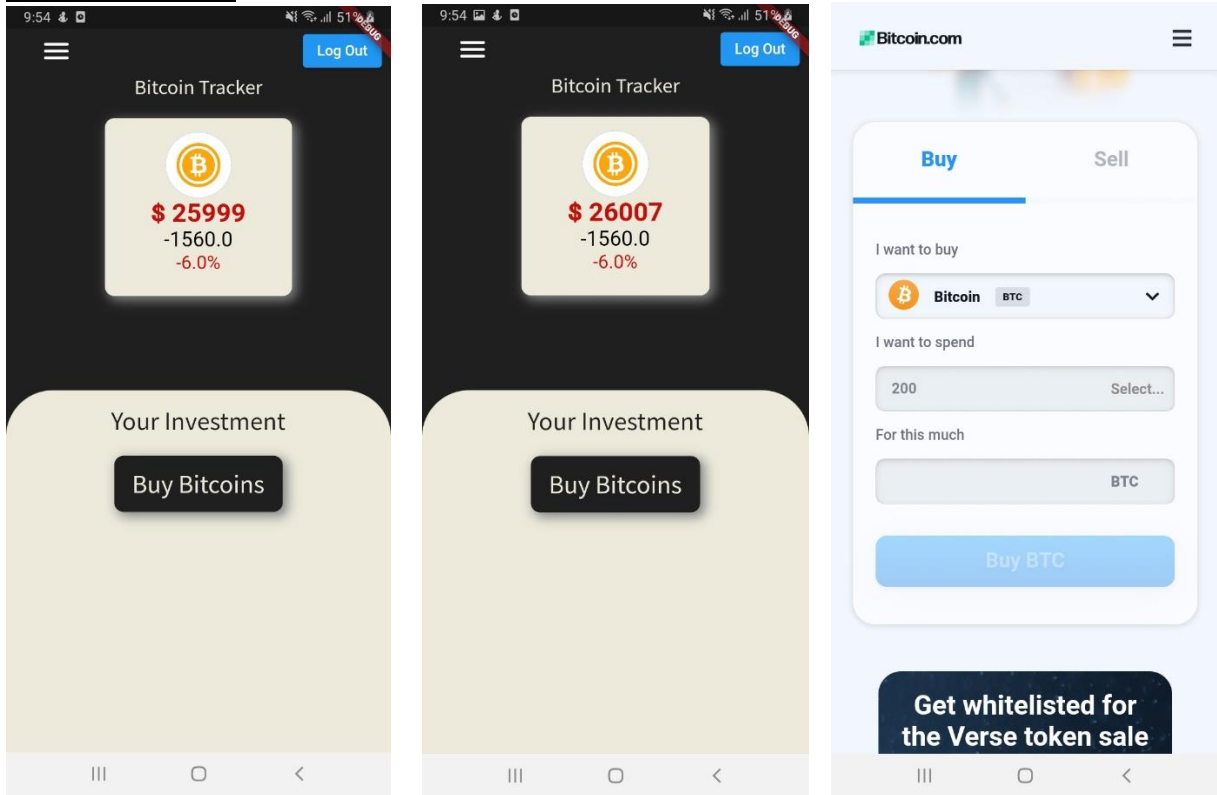
        fontSize: 25.0),
    ),
    Text(
      '$price_change',
      style:
        TextStyle(color: Colors.black, fontSize: 20.0),
    ),
    Text(
      '$change_percent%',
      style: TextStyle(color: clr, fontSize: 18.0),
    ),
  ],
),
),
],
),
),
),
Expanded(
  child: Container(
    decoration: BoxDecoration(
      color: Color.fromARGB(255, 237, 234, 219),
      borderRadius: BorderRadius.only(
        topRight: Radius.circular(50.0),
        topLeft: Radius.circular(50.0),
      ),
    ),
  ),
  child: Column(
    children: <Widget>[
      SizedBox(
        height: 15.0,
      ),
      Text(
        'Your Investment',
        style: GoogleFonts.sourceSansPro(
          fontWeight: FontWeight.normal,
          color: blk,
          fontSize: 25.0,
        ),
      ),
      SizedBox(
        height: 20.0,
      ),
      Container(
        width: 180.0,
        height: 60.0,
        alignment: Alignment.center,
        decoration: BoxDecoration(

```

```
color: blk,
borderRadius: BorderRadius.circular(10.0),
boxShadow: [
    BoxShadow(
        color: Color.fromARGB(255, 128, 132, 134),
        blurRadius: 10,
        spreadRadius: 1,
        offset: Offset(4, 4),
    )
]),
child: FlatButton(
    onPressed: () async {
        if (await canLaunchUrlString(bitcoin)) {
            await launchUrlString(bitcoin);
        } else {
            throw 'Could not launch $bitcoin';
        }
    },
    child: Text(
        'Buy Bitcoins',
        style: GoogleFonts.sourceSansPro(
            fontWeight: FontWeight.normal,
            color: ylw,
            fontSize: 25.0,
        ),
    ),
),
),
),
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];
```

2. The 'Buy Bitcoin' button opens the website www.bitcoin.com within the app.

Screenshots:



Plans for next week:

1. Making a firestore database and performing CRUD operation with the user's data.

References:

- <https://docs.flutter.dev/cookbook/networking/fetch-data>
- <https://codelabs.developers.google.com/codelabs/flutter-webview#0>

Signature of External Supervisor

Signature of Internal Supervisor