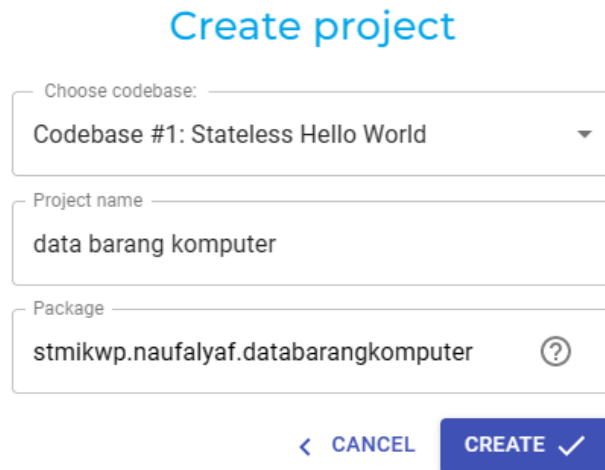


Nama: Muhammad Naufal Yafi

NIM: 21.240.0057

Kelas: 4P41

1. Membuat projek baru di flutlab.io



2. Menyiapkan library menggunakan flutter pub add agar dimasukkan secara otomatis

```
FlutLab:\0057_-_Muhammad_Naufal_Yafi\data barang komputer> $ flutter pub add http
```

```
19 dependencies:
20   flutter:
21     sdk: flutter
22   http: ^0.13.5
```

3. Menambahkan permission agar device dalam keadaan online atau terhubung internet di android/app/src/main/AndroidManifest.xml

```
1 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
2   package="stmikwp.naufalyaf.databarangkomputer">
3
4   <uses-permission android:name="android.permission.INTERNET" />
5
6   <application
7     android:label="databarangkomputer"
8     android:name="${applicationName}"
```

4. Mengubah versi compileSdkVersion dan minSdkVersion di android/app/build.gradle

```
28 android {
29   // compileSdkVersion flutter.compileSdkVersion
30   compileSdkVersion 33
```

```

46     applicationId "stmikwp.naufalyaf.databarangkomputer"
47     // minSdkVersion flutter.minSdkVersion
48     minSdkVersion 21

```

5. Mengubah versi gradle

android/build.gradle

```

8     dependencies {
9         // classpath 'com.android.tools.build:gradle:4.1.0'
10        classpath 'com.android.tools.build:gradle:7.1.2'

```

android/gradle/wrapper/gradle.wrapper.properties

```

6 # distributionUrl=https\://services.gradle.org/distributions/gradle-6.7-all.zip
7 distributionUrl=https\://services.gradle.org/distributions/gradle-7.2-all.zip

```

6. Siapkan Restful API

<https://api.bams-wp.my.id/akademik/barang>

7. Main.dart

```

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

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

class Main extends StatelessWidget {
  const Main({super.key});
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Home(),
    );
  }
}

```

8. Home.dart

```

import 'dart:async';
import 'dart:convert';
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'input.dart';
import 'edit.dart';

class Home extends StatefulWidget {
  @override

```

```

    _HomeState createState() => _HomeState();
}

class _HomeState extends State<Home> {
  Future<List> getData() async {
    final response = await http.get(
      Uri.parse("https://api.bams-wp.my.id/akademik/barang"),
    );
    return json.decode(response.body);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.grey.shade300,
      appBar: AppBar(
        title: Text("Data Barang"),
      ),
      floatingActionButton: FloatingActionButton(
        child: Icon(Icons.add),
        onPressed: () => Navigator.push(
          context,
          MaterialPageRoute(
            builder: (context) => Input(),
          ),
        ),
      ),
      body: FutureBuilder<List>(
        future: getData(),
        builder: (context, snapshot) {
          if (snapshot.hasError) print(snapshot.error);
          return snapshot.hasData
            ? ItemList(
                list: snapshot.data,
              )
            : Center(
                child: CircularProgressIndicator(),
              );
        },
      ),
    );
  }
}

```

```

}

class ItemList extends StatelessWidget {
  final List? list;
  ItemList({this.list});
  @override
  Widget build(BuildContext context) {
    return ListView.builder(
      itemCount: list == null ? 0 : list!.length,
      itemBuilder: (context, i) {
        return Container(
          padding: EdgeInsets.only(top: 5, left: 3, right: 3),
          child: GestureDetector(
            child: Card(
              child: ListTile(
                title: Text(list![i]['nama']),
                leading: Icon(Icons.store),
                subtitle: Text("${list![i]['harga']}"),
              ),
            ),
            onTap: () => Navigator.push(
              context,
              MaterialPageRoute(
                builder: (context) => Edit(
                  list: list,
                  index: i,
                ),
              ),
            ),
          ),
        );
      },
    );
  }
}

```

9. Input.dart

```

import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'home.dart';

class Input extends StatefulWidget {

```

```

@override
_InputState createState() => _InputState();
}

class _InputState extends State<Input> {
  TextEditingController kodeController = TextEditingController();
  TextEditingController namaController = TextEditingController();
  TextEditingController hargaController =
TextEditingController();
  TextEditingController spesifikasiController =
TextEditingController();
  TextEditingController merekController =
TextEditingController();
  void tambahData() {
    var url = Uri.parse("https://api.bams-
wp.my.id/akademik/barang");
    http.post(url, body: {
      "kode": kodeController.text,
      "nama": namaController.text,
      "harga": hargaController.text,
      "spesifikasi": spesifikasiController.text,
      "merk": merekController.text,
    });
  }
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text("ADD DATA"),
    ),
    body: Padding(
      padding: EdgeInsets.all(10.0),
      child: ListView(
        children: <Widget>[
          Text(
            "Input Data Barang",
            style: TextStyle(
              color: Colors.red,
              fontStyle: FontStyle.italic,
              fontWeight: FontWeight.bold,
              fontSize: 25,

```

```

        ),
    ),
    SizedBox(
        height: 40,
    ),
    TextFormField(
        controller: kodeController,
        decoration: InputDecoration(labelText: "Kode"),
    ),
    TextFormField(
        controller: namaController,
        decoration: InputDecoration(labelText: "Nama"),
    ),
    TextFormField(
        controller: hargaController,
        decoration: InputDecoration(labelText: "Harga"),
    ),
    TextFormField(
        controller: spesifikasiController,
        decoration: InputDecoration(labelText:
"Spesifikasi"),
    ),
    TextFormField(
        controller: merekController,
        decoration: InputDecoration(labelText: "Merek"),
    ),
    SizedBox(
        height: 50,
    ),
    ElevatedButton(
        onPressed: () {
            tambahData();
            Navigator.pushAndRemoveUntil(
                context,
                MaterialPageRoute(builder: (context) =>
Home()),
                (Route<dynamic> route) => false,
            );
        },
        child: Text("Simpan"),
    ),
],

```

```

    ),
  ),
);
}
}

```

10. Edit.dart

```

import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'home.dart';

class Edit extends StatefulWidget {
  final List? list;
  final int? index;

  Edit({this.list, this.index});

  @override
  _EditState createState() => _EditState();
}

class _EditState extends State<Edit> {
  TextEditingController kodeController = TextEditingController();
  TextEditingController namaController = TextEditingController();
  TextEditingController hargaController =
TextEditingController();
  TextEditingController spesifikasiController =
TextEditingController();
  TextEditingController merkController = TextEditingController();

  void editData() {
    var url = Uri.parse(
      "https://api.bams-
wp.my.id/akademik/barang/${kodeController.text}");
    http.put(url, body: {
      "kode": kodeController.text,
      "nama": namaController.text,
      "harga": hargaController.text,
      "spesifikasi": spesifikasiController.text,
      "merk": merkController.text
    });
    print(kodeController.text);
  }
}

```

```

        print(namaController.text);
        print(hargaController.text);
        print(spesifikasiController.text);
        print(merkController.text);
    }

    void deleteData() {
        var url = Uri.parse(
            "https://api.bams-
wp.my.id/akademik/barang/${kodeController.text}");
        http.delete(url, body: {'kode':
widget.list![widget.index!]['kode']});
        print(widget.list![widget.index!]['kode']);
    }

    void konfirmasi() {
        AlertDialog alertDialog = AlertDialog(
            content: Text(
                "Apakah anda yakin akan menghapus data
'${widget.list![widget.index!]['nama']}'"),
            actions: <Widget>[
                ElevatedButton(
                    style: ElevatedButton.styleFrom(
                        primary: Colors.red,
                    ),
                    child: Text(
                        "OK DELETE!",
                        style: TextStyle(color: Colors.black),
                    ),
                    onPressed: () {
                        deleteData();
                        Navigator.pushAndRemoveUntil(
                            context,
                            MaterialPageRoute(builder: (context) => Home()),
                            (Route<dynamic> route) => false,
                        );
                    },
                ),
                ElevatedButton(
                    style: ElevatedButton.styleFrom(
                        primary: Colors.green,
                    ),

```



```

        child: Text("CANCEL", style: TextStyle(color:
Colors.black)),
        onPressed: () => Navigator.pop(context),
      ),
    ],
  );
  showDialog(
    context: context,
    builder: (BuildContext context) {
      return alertDialog;
    },
  );
}

@override
void initState() {
  kodeController =
    TextEditingController(text:
widget.list![widget.index!]['kode']);
  namaController =
    TextEditingController(text:
widget.list![widget.index!]['nama']);
  hargaController =
    TextEditingController(text:
widget.list![widget.index!]['harga']);
  spesifikasiController =
    TextEditingController(text:
widget.list![widget.index!]['spesifikasi']);
  merkController =
    TextEditingController(text:
widget.list![widget.index!]['merk']);
  super.initState();
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text("Edit Data"),
    ),
    body: Padding(
      padding: EdgeInsets.all(10.0),

```

```

child: ListView(
  children: <Widget>[
    Text(
      "Ubah Data Barang",
      style: TextStyle(
        color: Colors.red,
        fontStyle: FontStyle.italic,
        fontWeight: FontWeight.bold,
        fontSize: 25,
      ),
    ),
    SizedBox(
      height: 40,
    ),
    TextFormField(
      controller: kodeController,
      decoration: InputDecoration(
        labelText: "Kode",
      ),
    ),
    TextFormField(
      controller: namaController,
      decoration: InputDecoration(labelText: "Nama
Barang"),
    ),
    TextFormField(
      controller: hargaController,
      decoration: InputDecoration(labelText: "Harga"),
    ),
    TextFormField(
      controller: spesifikasiController,
      decoration: InputDecoration(labelText:
"Spesifikasi"),
    ),
    TextFormField(
      controller: merkController,
      decoration: InputDecoration(labelText: "Merk"),
    ),
    SizedBox(
      height: 50,
    ),
    Row(

```

```













        mainAxisAlignment: MainAxisAlignment.spaceAround,
        children: [
            ElevatedButton(
                style: ElevatedButton.styleFrom(
                    primary: Colors.orange,
                ),
                onPressed: () {
                    editData();
                    Navigator.pushAndRemoveUntil(
                        context,
                        MaterialPageRoute(builder: (context) =>
Home()),
                        (Route<dynamic> route) => false,
                    );
                },
                child: Text("Ubah"),
            ),
            ElevatedButton(
                style: ElevatedButton.styleFrom(
                    primary: Colors.red,
                ),
                onPressed: () {
                    konfirmasi();
                },
                child: Text("Hapus"),
            ),
        ],
    ),
],
),
),
),
),
);
}
}

```

11. Jalankan Aplikasi

3:29

Data Barang

	aaaaaaa	0000000
	ewfwe	32324
	testing	100009
	Hape Cyna	100000
	refef	34324
	rtttt	1
	oiuyiquwhje	qjwyhei
	yuir55r	tyryugytry
	MacBook????	20000000
	Galaxy S23+66666	19999000
	Asus Rog	15000000
	poli	1

+

12. Tambah data

3:31

←

ADD DATA

Input Data Barang

Kode

fantech-001

Nama

Fantech X17 Thor

Harga

399.000

Spesifikasi

250IPS, Adjust DPI 100-12.000













Merek

Fantech

Simpan

3:32

Data Barang

	pus pus
	abc abc
	puss pus
	test 1111
	air mineral 4000
	MuhRizki 9999999999
	Iya iya
	Iya iya
	Iya iya
	Rangga Adhi Purnomo 5000000
	Ibra Abhitah Zaqianto 1500000
	Fantech X17 Thor 399.000

+

13. Ubah data

3:34

←

Edit Data

Ubah Data Barang

Kode

fante

Nama Barang

Fantech Thor II X16 Mouse Gaming

Harga

139.000

Spesifikasi

200-4.200

Merk













Fantech

Ubah

Hapus

3:35

Data Barang

	pus pus
	abc abc
	puss pus
	test 1111
	air mineral 4000
	MuhRizki 9999999999
	lya lya
	lya lya
	lya lya
	Rangga Adhi Purnomo 5000000
	Ibra Abhitah Zaqianto 1500000
	Fantech Thor II X16 Mouse Gami 139.000

+