

Tugas Pertemuan 8 (UTS)
Pemrograman Mobile



Prodi Teknik Informatika
Universitas Pelita Bangsa

Matkul Pemrograman Mobile
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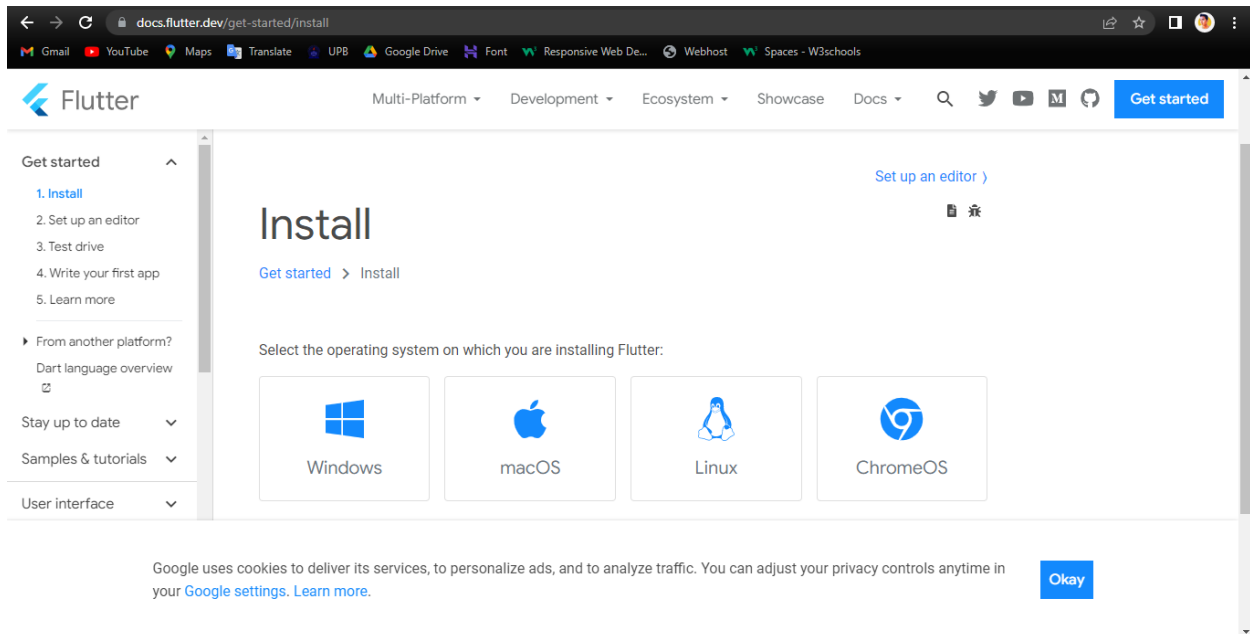
MEMBUAT CLONE NETFLIX LOGIN PAGE

Versi Github : <https://github.com/DeanAdriansyah/Netflix-Login-Page>

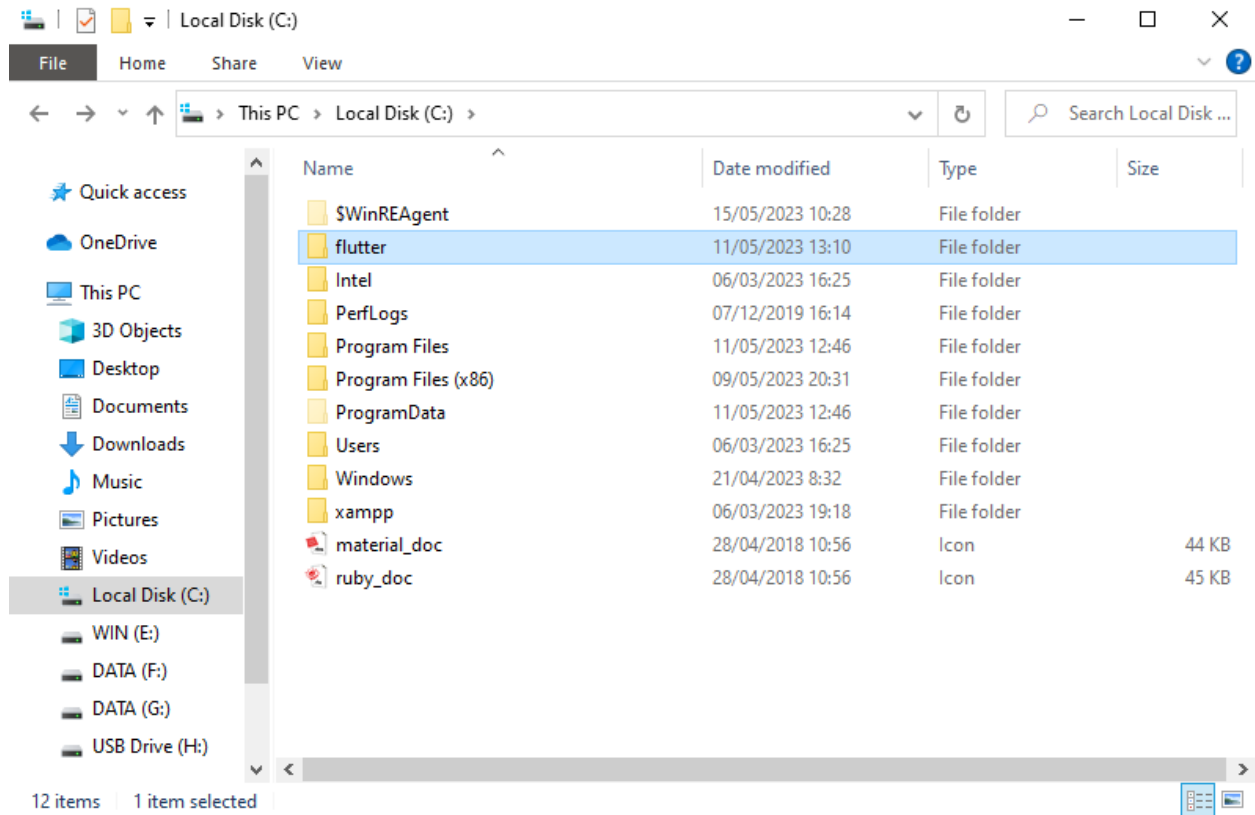
Cara Membuat Clone Page Login Netflix

Aplikasi Flutter

Persiapan Pertama yang diperlukan yaitu Aplikasi Flutter, Berikut cara mendownload Aplikasi Flutter, Dengan Link : <https://docs.flutter.dev/get-started/install>



Lalu Install Flutter yang telah di download tadi dan taruh di **Local Disk (C:)**



Lalu cek Aplikasi Flutter pada cmd degan cara Shortcut **Win + R**

lalu Ketik cmd dan klik Ok

di **dalam cmd ketik Flutter**

```

Select C:\Windows\system32\cmd.exe - flutter
Microsoft Windows [Version 10.0.19044.2846]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ACER>flutter
Manage your Flutter app development.

Common commands:

  flutter create <output directory>
    Create a new Flutter project in the specified directory.

  flutter run [options]
    Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [arguments]

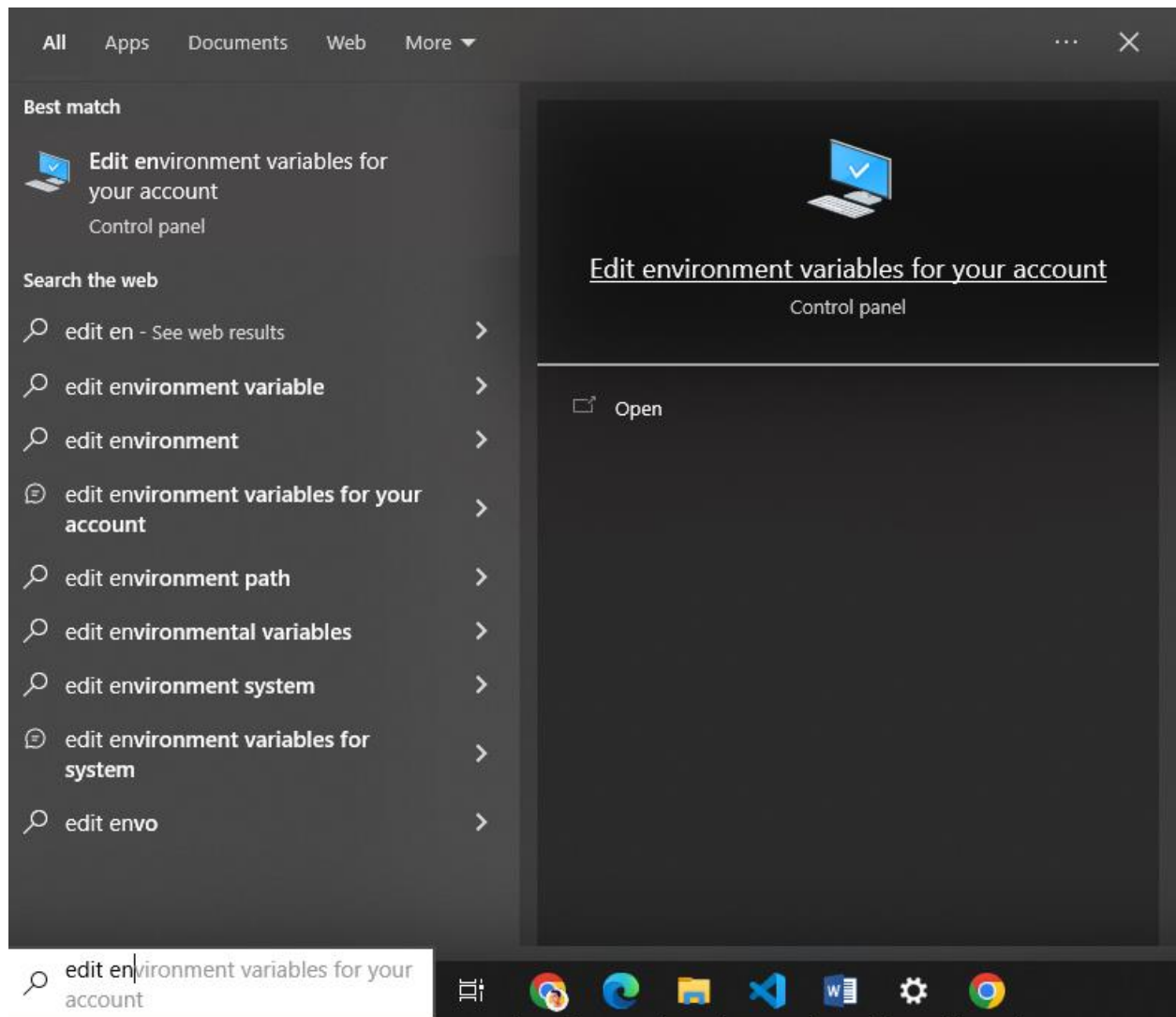
Global options:
-h, --help                Print this usage information.
-v, --verbose              Noisy logging, including all shell commands executed.
                           If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
                           diagnostic information. (Use "-vv" to force verbose logging in those cases.)
-d, --device-id            Target device id or name (prefixes allowed).
--version                 Reports the version of this tool.
--suppress-analytics       Suppress analytics reporting for the current CLI invocation.
--disable-telemetry        Disable telemetry reporting when this command runs.

Available commands:

Flutter SDK
  bash-completion  Output command line shell completion setup scripts.
```

Jika sudah terhubung maka akan ada tampilan seperti ini.

Dan jika belum maka harus disambungkannya terlebih dahulu dengan cara buka **Search > Edit Environment Variable > Edit Path > New**, dan masukkan **"C:\flutter\bin"**



Environment Variables



User variables for ACER

Variable	Value
OneDrive	C:\Users\ACER\OneDrive
Path	C:\Users\ACER\AppData\Local\Microsoft\WindowsApps;C:\Users\...
TEMP	C:\Users\ACER\AppData\Local\Temp
TMP	C:\Users\ACER\AppData\Local\Temp

New...

Edit...

Delete

System variables

Variable	Value
ADSK_CLM_WPAD_PROXY_...	FALSE
C_EM64T_REDIST11	C:\Program Files (x86)\Common Files\Intel\Shared Files\cpp\
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	4
OS	Windows_NT
Path	C:\Program Files\Common Files\Oracle\Java\javapath;%C_EM64T ...

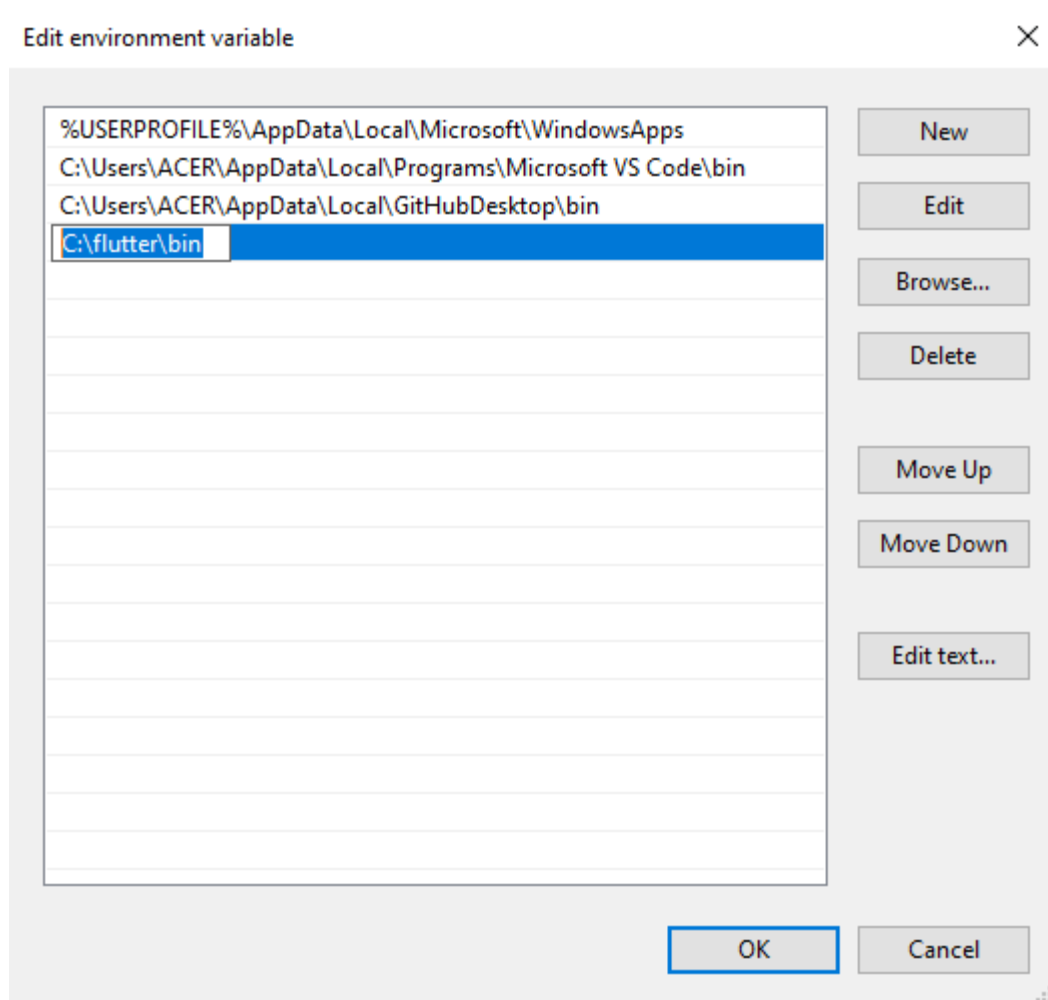
New...

Edit...

Delete

OK

Cancel



Setelah itu Download Java <https://www.oracle.com/java/technologies/javase-jdk15-downloads.html>

JDK Development Kit 20.0.1 downloads

JDK 20 binaries are free to use in production and free to redistribute, at no cost, under the Oracle No-Fee Terms and Conditions.

JDK 20 will receive updates under these terms, until September 2023 when it will be superseded by JDK 21.

Linux macOS Windows

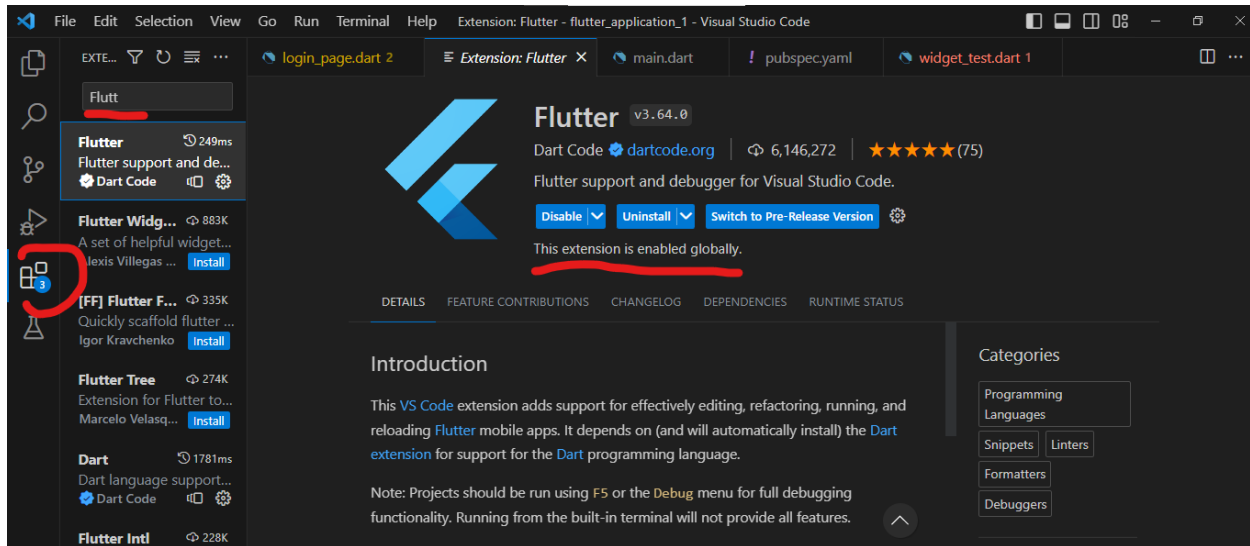
Product/file description	File size	Download
x64 Compressed Archive	180.81 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.zip (sha256)
x64 Installer	159.95 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.exe (sha256)
x64 MSI Installer	158.74 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.msi (sha256)

Install Flutter di Visual Studio Code

Dengan cara Klik Extensions (Ctrl + Shift + X)

Lalu Ketik Flutter Untuk mencari extensionnya

Lalu Klik Download (Jika sudah di download maka akan seperti ini)

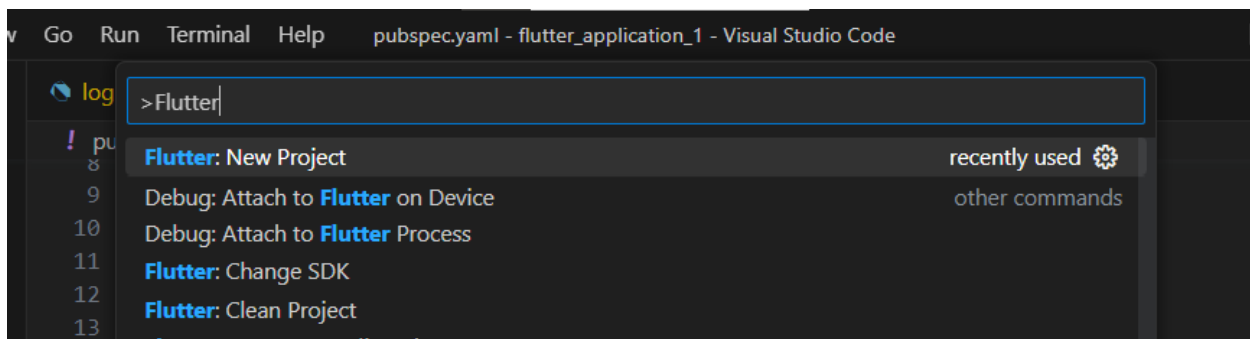


Setelah itu maka Membuat Project Baru

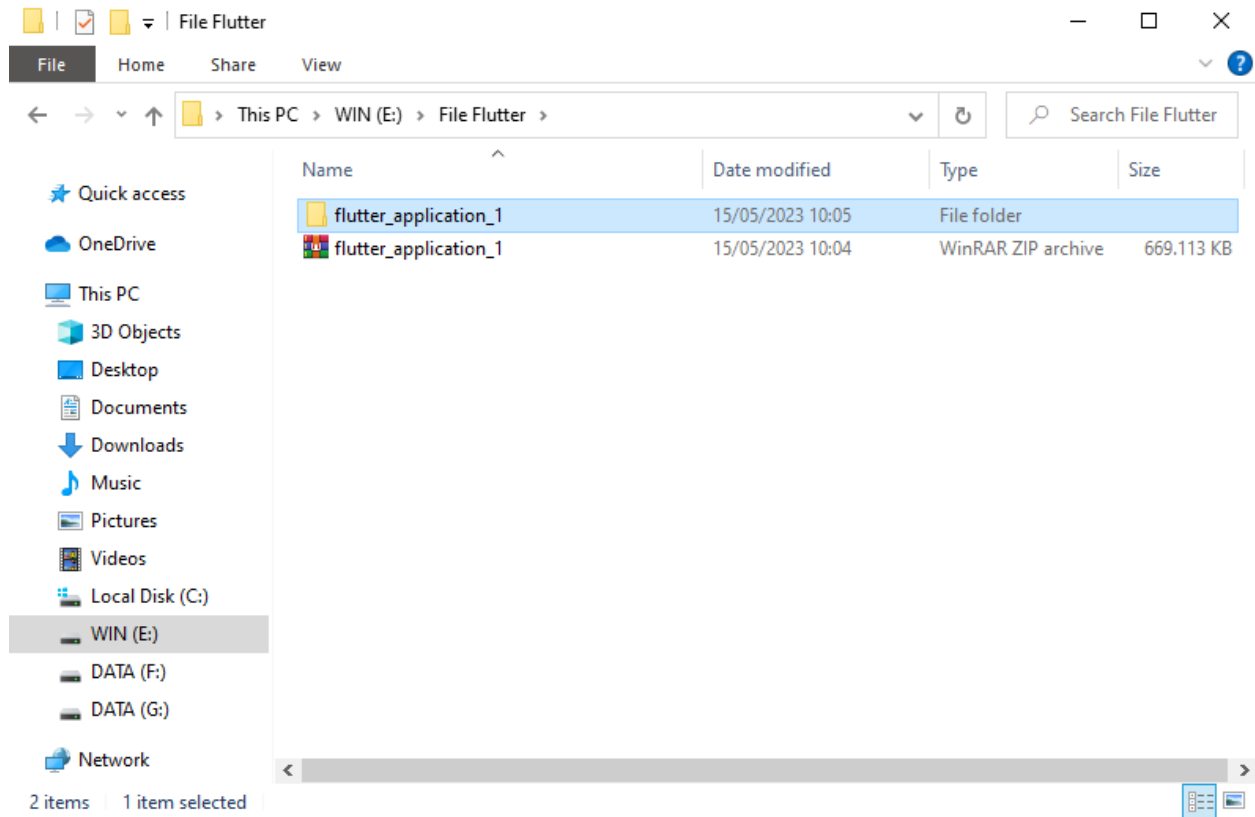
Dengan cara View > Command Palette ,

atau bisa langsung Shortcut (Ctrl + Shift + P)

lalu ketik Flutter New Project



lalu Taruh folder di mana saja bisa

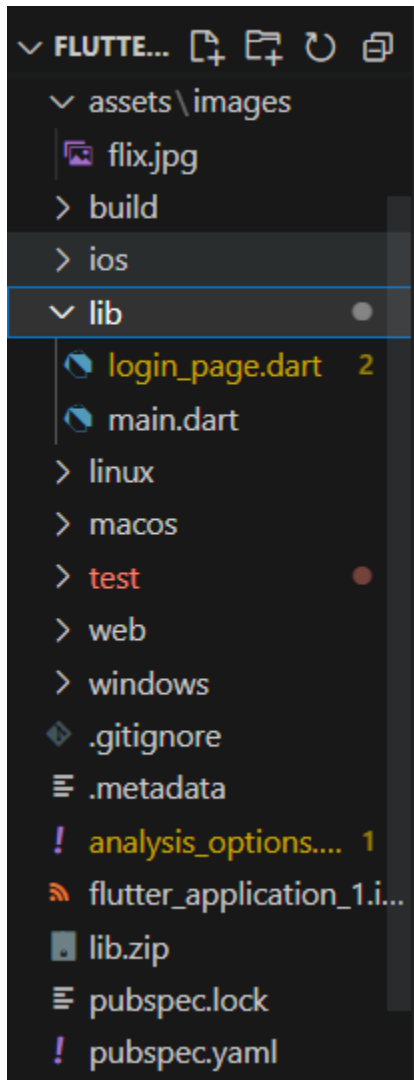


Setelah Membuat New Flutter Project, maka tahap selanjutnya Membuat Login Page

Isi Codingan Clone Netflix Login Page (UTS)

Beberapa Penjelasannya

Bentuk Foldernya



1. Cara menghilangkan Banner Debug

```
debugShowCheckedModeBanner: false, // set to false to remove debug banner
```

masukan Code ini dibawah **Return MaterialApp** pada file **main.dart**

2. Cara Memasukkan gambar

Cara memasukan Background Image ke dalam Login Page menggunakan Code:

```
decoration: const BoxDecoration(  
  image: DecorationImage(  
    image: AssetImage("assets/images/flix.jpg"),  
    fit: BoxFit.cover,  
  ),  
)
```

Taruh Code ini di dalam Container pada File **Login_page.dart**

Lalu tambahkan Code :

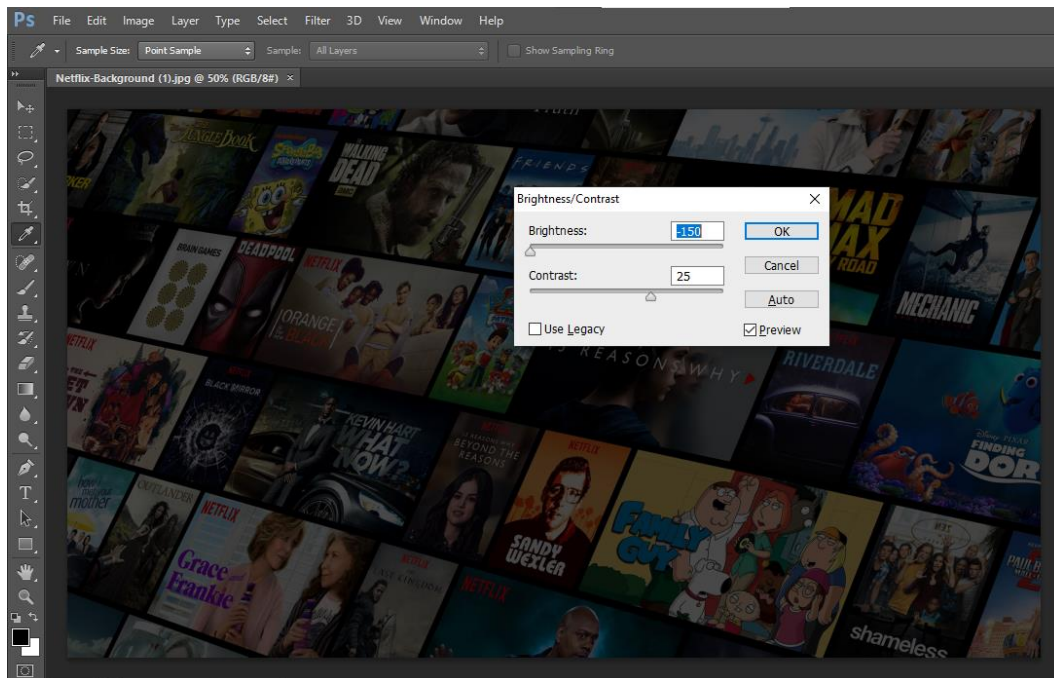
```
flutter:  
assets:  
  - assets/images/flix.jpg
```

Ke dalam file **Pubspec.yaml**

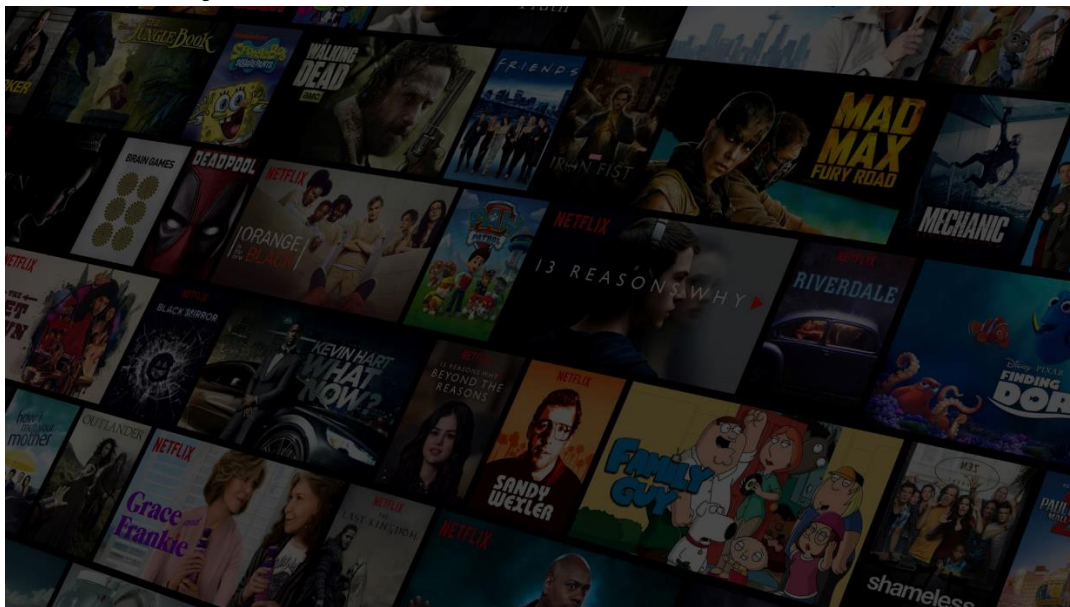
Lalu tambahkan Folder baru Bernama Assets, dan didalamnya Buat folder baru bernama Images, dan didalam folder Images Bisa Ditambahkan gambar:



Supaya Lebih seperti Netflix maka Pakai Aplikasi PhotoShop untuk menggelapkannya, atau bias dengan editor lainnya jika bisa.



Lalu **Alt + I + A + C** setelah muncul, rubah Brightness menjadi 150 dan Contrast menjadi 25, lalu Save.



3. Cara membuat Kolom Email

```

TextFormField(
  decoration: const InputDecoration(
    labelText: 'Email or phone number',
    labelStyle: TextStyle(color: Colors.grey),
    enabledBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.grey),

```

```

    ),
    focusedBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.white),
    ),
  ),
  keyboardType: TextInputType.emailAddress,
  style: const TextStyle(color: Colors.white),
  validator: (value) {
    if (value!.isEmpty) {
      return 'Please enter your email or phone
number';
    }
    return null;
  },
  onSave: (value) {
    _email = value!;
  },
),
const SizedBox(height: 16.0),

```

Masukkan di dalam Widget

4. Cara membuat Kolom Password

```

const SizedBox(height: 16.0),
TextFormField(
  decoration: const InputDecoration(
    labelText: 'Password',
    labelStyle: TextStyle(color: Colors.grey),
    enabledBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.grey),
    ),
    focusedBorder: UnderlineInputBorder(
      borderSide: BorderSide(color: Colors.white),
    ),
  ),
  obscureText: true,
  style: const TextStyle(color: Colors.white),
  validator: (value) {
    if (value!.isEmpty) {
      return 'Please enter your password';
    }
    return null;
  },
  onSave: (value) {
    _password = value!;
  },
),

```

```
    },  
  ),
```

5. Cara membuat Kolom Forgot ur Password

```
const SizedBox(height: 16.0),  
  TextButton(  
    onPressed: () {},  
    child: const Text(  
      'Forgot your email or password?',  
      style: TextStyle(color: Colors.grey),  
    ),  
  ),
```

Full Code yg dirubah

Di dalam Folder lib ada `login_page.dart` dan `main.dart`

Isi Codingan `login_page.dart`

```
import 'package:flutter/material.dart';  
  
class NetflixLoginPage extends StatefulWidget {  
  @override  
  _NetflixLoginPageState createState() => _NetflixLoginPageState();  
}  
  
class _NetflixLoginPageState extends State<NetflixLoginPage> {  
  final GlobalKey<FormState> _formKey = GlobalKey<FormState>();  
  late String _email;  
  late String _password;  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      body: SingleChildScrollView(  
        child: Container(  
          height: MediaQuery.of(context).size.height,  
          padding: const EdgeInsets.all(16.0),  
          decoration: const BoxDecoration(  
            image: DecorationImage(  
              image: AssetImage("assets/images/flix.jpg"),
```

```

        fit: BoxFit.cover,
      ),
    ),
    child: Column(
      mainAxisAlignment: MainAxisAlignment.end,
      crossAxisAlignment: CrossAxisAlignment.stretch,
      children: <Widget>[
        const Text(
          'Sign in to Netflix',
          style: TextStyle(
            fontSize: 28.0,
            fontWeight: FontWeight.bold,
            color: Colors.white,
          ),
        ),
        const SizedBox(height: 16.0),
        Form(
          key: _formKey,
          child: Column(
            crossAxisAlignment: CrossAxisAlignment.stretch,
            children: <Widget>[
              TextFormField(
                decoration: const InputDecoration(
                  labelText: 'Email or phone number',
                  labelStyle: TextStyle(color: Colors.grey),
                  enabledBorder: UnderlineInputBorder(
                    borderSide: BorderSide(color: Colors.grey),
                  ),
                  focusedBorder: UnderlineInputBorder(
                    borderSide: BorderSide(color: Colors.white),
                  ),
                ),
                keyboardType: TextInputType.emailAddress,
                style: const TextStyle(color: Colors.white),
                validator: (value) {
                  if (value!.isEmpty) {
                    return 'Please enter your email or phone number';
                  }
                  return null;
                },
                onSaved: (value) {
                  _email = value!;
                },
              ),
              const SizedBox(height: 16.0),

```



```

    TextFormField(
      decoration: const InputDecoration(
        labelText: 'Password',
        labelStyle: TextStyle(color: Colors.grey),
        enabledBorder: UnderlineInputBorder(
          borderSide: BorderSide(color: Colors.grey),
        ),
        focusedBorder: UnderlineInputBorder(
          borderSide: BorderSide(color: Colors.white),
        ),
      ),
      obscureText: true,
      style: const TextStyle(color: Colors.white),
      validator: (value) {
        if (value!.isEmpty) {
          return 'Please enter your password';
        }
        return null;
      },
      onSave: (value) {
        _password = value!;
      },
    ),
    const SizedBox(height: 32.0),
    ElevatedButton(
      onPressed: () {
        if (_formKey.currentState!.validate()) {
          _formKey.currentState?.save();
          // TODO: Implement login logic
        }
      },
      child: const Text('Sign In'),
      style: ElevatedButton.styleFrom(
        primary: Colors.red,
        padding: const EdgeInsets.symmetric(vertical: 16.0),
        shape: RoundedRectangleBorder(
          borderRadius: BorderRadius.circular(4.0),
        ),
      ),
    ),
  ],
),
),
const SizedBox(height: 16.0),
TextButton(

```



```

        onPressed: () {},
        child: const Text(
          'Forgot your email or password?',
          style: TextStyle(color: Colors.grey),
        ),
      ),
    ],
  ),
),
);
}
}

```

Isi Codingan `main.dart`

```

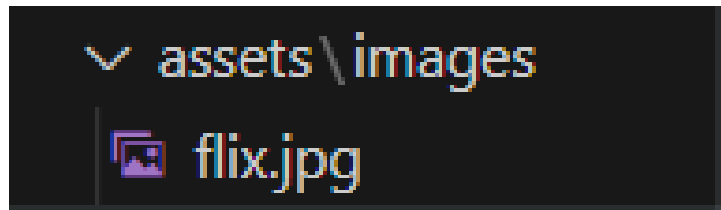
import 'package:flutter/material.dart';
import 'login_page.dart';

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false, // set to false to remove debug banner
      title: 'Flutter Demo',
      theme: ThemeData(
        primarySwatch: Colors.blue,
        visualDensity: VisualDensity.adaptivePlatformDensity,
      ),
      home: NetflixLoginPage(),
    );
  }
}

```

Buat Folder Baru dan beri nama Assets dan di dalam nya buat folder lagi bernama images dan di dalamnya beri file gambar untuk dijadikan Backgroundnya.



Di dalam folder new project tadi terdapat file bernama **pubspec.yaml** dan isi codenya

```
name: my_app
description: My first Flutter app
version: 1.0.0

environment:
  sdk: ^3.0.0

dependencies:
  flutter:
    sdk: flutter

  cupertino_icons: ^1.0.2

dev_dependencies:
  flutter_test:
    sdk: flutter

flutter:
  assets:
    - assets/images/flix.jpg
```

Hasil Gambar Run Code

