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**19-NTU-CS-1118**



**Mobile App Development**

**CSE-4078**

**Lab # 8**

import 'package:flutter/material.dart';

import 'package:geolocator/geolocator.dart';

void main() {

runApp(MyApp());

}

class MyApp extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

theme: ThemeData.dark(),

home: LocationWidget(),

);

}

}

class LocationWidget extends StatefulWidget {

const LocationWidget({Key? key}) : super(key: key);

@override

State<LocationWidget> createState() => \_LocationWidgetState();

}

class \_LocationWidgetState extends State<LocationWidget> {

var permission;

void getCurrentPossition() async {

try {

permission = await Geolocator.checkPermission();

if (permission == LocationPermission.denied) {

try {

permission = await Geolocator.requestPermission();

} catch (e) {

print("Permission denied by user");

}

}

} catch (e) {

print(e);

}

Position myPosition = await Geolocator.getCurrentPosition(

desiredAccuracy: LocationAccuracy.best,

);

print(myPosition.latitude);

print(myPosition.longitude);

}

@override

void initState() {

super.initState();

getCurrentPossition();

}

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(title: Text('Lab 8')),

body: Center(

child: TextButton(

onPressed: () {

setState(() {

getCurrentPossition();

});

},

child: Text("Get Current Location"),

style: ButtonStyle(

backgroundColor: MaterialStateProperty.all<Color>(Colors.white),

),

),

),

);

}

}

Graphical user interface, text, application, chat or text message

Description automatically generated