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| **Logo_Baru-Rasmi_UUM_02** | STIW2044: Mobile Programming Semester 191School of Computing, CAS, UUM |
| Lab 3 | |
| 6/11/2019  Submission  13/11/2019 | |
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Instruction:

This lab assignment is based on lab 2 design for login and registration. You are required to complete the backend system for the login and registration page.

Registration screen:

* Use image from camera/storage for user profile image and upload image to db/storage
* User profile data input management and error notification.
* Backend script handling registration and upload.
* Handling duplicate data.
* Widget layout follows material/cupertino standard.
* Handle small screen
* Backend notification for profile registration

Login screen:

* Login screen Widget layout follows material/cupertino standard.
* Handle user input login and error notification
* Backend script handling login registration
* Pass user data from login to main layout.
* Handling false login information
* Handling save preferences
* Backend script to reset password.

1. Registration
2. registrationscreen.dart

import 'package:flutter/material.dart';

import 'dart:async';

//import 'dart:io';

import 'loginscreen.dart';

import 'package:flutter/services.dart';

import 'package:progress\_dialog/progress\_dialog.dart';

import 'package:toast/toast.dart';

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

String urlUpload = "http://lawlietaini.com/myrecycle\_admin/php/registeradmin.php";

final TextEditingController \_emcontroller = TextEditingController();

final TextEditingController \_pscontroller = TextEditingController();

String \_email, \_password;

class RegisterUser extends StatefulWidget {

  @override

  \_RegisterUserState createState() => \_RegisterUserState();

}

class \_RegisterUserState extends State<RegisterUser> {

  @override

  void initState() {

    super.initState();

  }

  @override

  Widget build(BuildContext context) {

    return WillPopScope(

      onWillPop: \_onBackPressAppBar,

      child: Scaffold(

        resizeToAvoidBottomPadding: false,

        appBar: AppBar(

          title: Text('Register New Admin'),

          backgroundColor: Color.fromRGBO(75, 117, 66, 1),

        ),

        body: SingleChildScrollView(

          child: Container(

            padding: EdgeInsets.fromLTRB(40, 20, 40, 20),

            child: RegisterWidget(),

          ),

        ),

      ),

    );

  }

  Future<bool> \_onBackPressAppBar() async {

    Navigator.pushReplacement(

        context,

        MaterialPageRoute(

          builder: (context) => LoginPage(),

        ));

    return Future.value(false);

  }

}

class RegisterWidget extends StatefulWidget {

  RegisterWidget({Key key}) : super(key: key);

  @override

  \_RegisterWidgetState createState() => \_RegisterWidgetState();

}

class \_RegisterWidgetState extends State<RegisterWidget> {

  @override

  Widget build(BuildContext context) {

    return Column(

      mainAxisAlignment: MainAxisAlignment.center,

      children: <Widget>[

        Image.asset(

          'assets/images/logo.png',

          scale: 2.5,

        ),

        TextField(

            controller: \_emcontroller,

            keyboardType: TextInputType.emailAddress,

            decoration: InputDecoration(

              labelText: 'Email',

              icon: Icon(Icons.email),

            )),

        TextField(

          controller: \_pscontroller,

          decoration:

              InputDecoration(labelText: 'Password', icon: Icon(Icons.lock)),

          obscureText: true,

        ),

        SizedBox(

          height: 10,

        ),

        MaterialButton(

          shape:

              RoundedRectangleBorder(borderRadius: BorderRadius.circular(20.0)),

          minWidth: 300,

          height: 50,

          child: Text('REGISTER'),

          color: Color.fromRGBO(75, 117, 66, 1),

          textColor: Colors.white,

          elevation: 15,

          onPressed: \_onRegister,

        ),

        SizedBox(

          height: 10,

        ),

        GestureDetector(

          onTap: \_onBackPress,

          child: Text('Already Register', style: TextStyle(fontSize: 16)),

        )

      ],

    );

  }

  void \_onRegister() {

    print('onRegister Button from RegisterUser()');

    uploadData();

  }

  void \_onBackPress() {

    print('onBackPress from RegisterUser');

    Navigator.pushReplacement(context,

        MaterialPageRoute(builder: (BuildContext context) => LoginPage()));

  }

  void uploadData() {

    ProgressDialog pr = new ProgressDialog(context,type:ProgressDialogType.Normal, isDismissible: false);

    pr.show();

    \_email = \_emcontroller.text;

    \_password = \_pscontroller.text;

    if ((!\_isEmailValid(\_email))||(\_password.length<5)){

      Toast.show("Invalid Registration Data", context, duration: Toast.LENGTH\_SHORT, gravity: Toast.BOTTOM);

      return;

    }

    http.post(urlUpload,body: {

      "email" : \_email,

      "password" : \_password,

    }).then((res){

      print(res.statusCode);

      print(res.body);

      \_emcontroller.text = '';

      \_pscontroller.text = '';

      Toast.show(res.body, context, duration: Toast.LENGTH\_LONG,gravity: Toast.BOTTOM);

      Navigator.pushReplacement(context, MaterialPageRoute(builder: (BuildContext context) => LoginPage()));

    }).catchError((err){

      print(err);

    });

    pr.dismiss();

  }

  bool \_isEmailValid(String email){

    return RegExp(r"^[a-zA-Z0-9.]+@[a-zA-Z0-9]+\.[a-zA-Z0-9]+").hasMatch(email);

  }

}

1. registeradmin.php

<?php

//error\_reporting(0);

include\_once ("dbconnect.php");

$email = $\_POST['email'];

$password = sha1($\_POST['password']);

$sqlinsert = "INSERT INTO admin(EMAIL,PASSWORD) VALUES ('$email','$password')";

if ($connect->query($sqlinsert) === TRUE) {

sendEmail($email);

echo "success";

} else {

echo "failed";

}

?>

1. Login
2. loginscreen.dart

import 'package:flutter/material.dart';

import 'package:adminmyrecycle/registerscreen.dart';

import 'package:progress\_dialog/progress\_dialog.dart';

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

import 'package:toast/toast.dart';

import 'mainscreen.dart';

final TextEditingController \_pscontroller = TextEditingController();

String \_password = "";

String urlLogin = "http://lawlietaini.com/myrecycle\_admin/php/loginadmin.php";

class LoginPage extends StatefulWidget {

  @override

  \_LoginPageState createState() => \_LoginPageState();

}

class \_LoginPageState extends State<LoginPage> {

  @override

  Widget build(BuildContext context) {

    return new Scaffold(

      resizeToAvoidBottomPadding: false,

      body: new Container(

          padding: EdgeInsets.all(30.0),

          child: Column(

            mainAxisAlignment: MainAxisAlignment.center,

            children: <Widget>[

              Image.asset(

                'assets/images/logo.png',

                scale: 2.5,

              ),

              TextField(

                controller: \_pscontroller,

                decoration: InputDecoration(

                    labelText: 'Password', icon: Icon(Icons.lock)),

                obscureText: true,

              ),

              SizedBox(

                height: 20,

              ),

              MaterialButton(

                shape: RoundedRectangleBorder(

                    borderRadius: BorderRadius.circular(20.0)),

                minWidth: 300,

                height: 50,

                child: Text('LOGIN'),

                color: Color.fromRGBO(75, 117, 66, 1),

                textColor: Colors.white,

                elevation: 20,

                onPressed: \_onPress,

              ),

              SizedBox(

                height: 20,

              ),

              GestureDetector(

                onTap: \_onRegister,

                child: Text("Register New Account",

                    style: TextStyle(fontSize: 16)),

              ),

              SizedBox(

                height: 10,

              ),

              Text("Forgot Password")

            ],

          )),

    );

  }

  void \_onPress() {

    \_password = \_pscontroller.text;

    if (\_password.length > 4) {

      ProgressDialog pr = new ProgressDialog(context,

          type: ProgressDialogType.Normal, isDismissible: false);

      pr.style(message: "Login in");

      pr.show();

      http.post(urlLogin, body:{

        \_password = '',

      }).then((res){

        print(res.statusCode);

        var string = res.body;

        List dres = string.split(",");

        print(dres);

        Toast.show(dres[0], context,

            duration: Toast.LENGTH\_LONG, gravity: Toast.BOTTOM);

        if (dres[0] == "success") {

          pr.dismiss();

          print("Radius:");

          print(dres);

          Navigator.push(context, MaterialPageRoute(builder: (context)=>MainScreen()));

        } else {

          pr.dismiss();

        }

      }).catchError((err){

        pr.dismiss();

        print(err);

      });

    } else {}

  }

  void \_onRegister() {

    Navigator.push(

        context, MaterialPageRoute(builder: (context) => RegisterUser()));

  }

}

1. loginadmin.php

<?php

error\_reporting(0);

include\_once("dbconnect.php");

$password = $\_POST['password'];

$passwordsha = sha1($password);

$sql = "SELECT \* FROM admin WHERE PASSWORD = '$passwordsha'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "success";

}else{

echo "failed";}

?>

1. pubspec.yaml

dependencies:

  flutter:

    sdk: flutter

  progress\_dialog: ^1.2.0

  http: "^0.12.0"

  url\_launcher: ^4.0.2

  intl:

  toast: ^0.1.5