**forgotpassword.dart**

import 'package:firebase\_auth/firebase\_auth.dart';

import 'package:flutter/material.dart';

import 'package:lab9/login.dart';

import 'package:lab9/signup.dart';

class ForgotPassword extends StatefulWidget {

ForgotPassword({Key? key}) : super(key: key);

@override

\_ForgotPasswordState createState() => \_ForgotPasswordState();

}

class \_ForgotPasswordState extends State<ForgotPassword> {

final \_formKey = GlobalKey<FormState>();

var email = "";

final emailController = TextEditingController();

@override

void dispose() {

emailController.dispose();

super.dispose();

}

resetPassword() async {

try {

await FirebaseAuth.instance.sendPasswordResetEmail(email: email);

ScaffoldMessenger.of(context).showSnackBar(

SnackBar(

backgroundColor: Colors.orangeAccent,

content: Text(

'Password Reset Email has been sent !',

style: TextStyle(fontSize: 18.0),

), ), );

} on FirebaseAuthException catch (e) {

if (e.code == 'user-not-found') {

print('No user found for that email.');

ScaffoldMessenger.of(context).showSnackBar(

SnackBar(

backgroundColor: Colors.orangeAccent,

content: Text(

'No user found for that email.',

style: TextStyle(fontSize: 18.0),

), ), ); } } }

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

title: Text("Reset Password"),

),

body: Column(

children: [

Container(

margin: EdgeInsets.only(top: 20.0),

child: Text(

'Reset Link will be sent to your email id !',

style: TextStyle(fontSize: 20.0),

), ),

Expanded(

child: Form(

key: \_formKey,

child: Padding(

padding: EdgeInsets.symmetric(vertical: 20, horizontal: 30),

child: ListView(

children: [

Container(

margin: EdgeInsets.symmetric(vertical: 10.0),

child: TextFormField(

autofocus: false,

decoration: InputDecoration(

labelText: 'Email: ',

labelStyle: TextStyle(fontSize: 20.0),

border: OutlineInputBorder(),

errorStyle:

TextStyle(color: Colors.redAccent, fontSize: 15),

),

controller: emailController,

validator: (value) {

if (value == null || value.isEmpty) {

return 'Please Enter Email';

} else if (!value.contains('@')) {

return 'Please Enter Valid Email';

}

return null;

}, ), ),

Container(

margin: EdgeInsets.only(left: 60.0),

child: Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

ElevatedButton(

onPressed: () {

if (\_formKey.currentState!.validate()) {

setState(() {

email = emailController.text;

});

resetPassword();

} },

child: Text(

'Send Email',

style: TextStyle(fontSize: 18.0),

), ),

TextButton(

onPressed: () => {

Navigator.pushAndRemoveUntil(

context,

PageRouteBuilder(

pageBuilder: (context, a, b) => Login(),

transitionDuration: Duration(seconds: 0),

),

(route) => false)

},

child: Text(

'Login',

style: TextStyle(fontSize: 14.0),

), ), ], ), ),

Container(

child: Row(

mainAxisAlignment: MainAxisAlignment.center,

children: [

Text("Don't have an Account? "),

TextButton(

onPressed: () => {

Navigator.pushAndRemoveUntil(

context,

PageRouteBuilder(

pageBuilder: (context, a, b) =>

Signup(),

transitionDuration:

Duration(seconds: 0),

), (route) => false)

}, child: Text('Signup'))

], ), ) ], ), ), ), ), ], ), ); } }

**changepassword.dart**

import 'package:firebase\_auth/firebase\_auth.dart';

import 'package:flutter/material.dart';

import 'package:lab9/login.dart';

class ChangePassword extends StatefulWidget {

ChangePassword({Key? key}) : super(key: key);

@override

\_ChangePasswordState createState() => \_ChangePasswordState();

}

class \_ChangePasswordState extends State<ChangePassword> {

final \_formKey = GlobalKey<FormState>();

var newPassword = "";

final newPasswordController = TextEditingController();

@override

void dispose() {

newPasswordController.dispose();

super.dispose();

}

final currentUser = FirebaseAuth.instance.currentUser;

changePassword() async {

try {

await currentUser!.updatePassword(newPassword);

FirebaseAuth.instance.signOut();

Navigator.pushReplacement(

context,

MaterialPageRoute(builder: (context) => Login()),

);

ScaffoldMessenger.of(context).showSnackBar(

SnackBar(

backgroundColor: Colors.orangeAccent,

content: Text(

'Your Password has been Changed. Login again !',

style: TextStyle(fontSize: 18.0),

), ), ); } catch (e) {} }

@override

Widget build(BuildContext context) {

return Form(

key: \_formKey,

child: Padding(

padding: EdgeInsets.symmetric(vertical: 20, horizontal: 30),

child: ListView(

children: [

Container(

margin: EdgeInsets.symmetric(vertical: 10.0),

child: TextFormField(

decoration: InputDecoration(

labelText: 'New Password: ',

hintText: 'Enter New Password',

labelStyle: TextStyle(fontSize: 20.0),

border: OutlineInputBorder(),

),

controller: newPasswordController,

validator: (value) {

if (value == null || value.isEmpty) {

return 'Please Enter Password';

} return null; }, ), ),

ElevatedButton(

onPressed: () {

if (\_formKey.currentState!.validate()) {

setState(() {

newPassword = newPasswordController.text;

});

changePassword(); } },

child: Text( 'Change Password', ), ), ], ), ), ); } }