**Android App Development**

**ASSIGNMENT - 3**

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**Login to Website Application**

Github Link:

https://github.com/amxlns/LoginToWebsite

Google-Drive Link:

https://drive.google.com/file/d/1buK6w99azNaTj1xTKHh7HtLNDXaEkh6v/view?usp=sharing

MainActivity.kt:

@file:OptIn(ExperimentalMaterial3Api::class)

package com.example.assignment3

import android.content.Intent

import android.net.Uri

import android.os.Bundle

import androidx.activity.ComponentActivity

import androidx.activity.compose.setContent

import androidx.compose.foundation.Image

import androidx.compose.foundation.layout.Arrangement

import androidx.compose.foundation.layout.Box

import androidx.compose.foundation.layout.Column

import androidx.compose.foundation.layout.Row

import androidx.compose.foundation.layout.Spacer

import androidx.compose.foundation.layout.fillMaxHeight

import androidx.compose.foundation.layout.fillMaxSize

import androidx.compose.foundation.layout.fillMaxWidth

import androidx.compose.foundation.layout.height

import androidx.compose.foundation.layout.padding

import androidx.compose.foundation.layout.size

import androidx.compose.foundation.selection.selectable

import androidx.compose.foundation.text.KeyboardOptions

import androidx.compose.material3.Button

import androidx.compose.material3.ExperimentalMaterial3Api

import androidx.compose.material3.Icon

import androidx.compose.material3.IconToggleButton

import androidx.compose.material3.MaterialTheme

import androidx.compose.material3.Text

import androidx.compose.material3.OutlinedTextField

import androidx.compose.material3.RadioButton

import androidx.compose.runtime.Composable

import androidx.compose.runtime.getValue

import androidx.compose.runtime.mutableStateOf

import androidx.compose.runtime.remember

import androidx.compose.runtime.setValue

import androidx.compose.ui.Alignment

import androidx.compose.ui.Modifier

import androidx.compose.ui.graphics.Color

import androidx.compose.ui.layout.ContentScale

import androidx.compose.ui.platform.*LocalContext*

import androidx.compose.ui.res.painterResource

import androidx.compose.ui.semantics.Role

import androidx.compose.ui.text.TextStyle

import androidx.compose.ui.text.font.Font

import androidx.compose.ui.text.font.FontFamily

import androidx.compose.ui.text.input.ImeAction

import androidx.compose.ui.text.input.KeyboardType

import androidx.compose.ui.tooling.preview.Preview

import androidx.compose.ui.unit.Dp

import androidx.compose.ui.unit.dp

import androidx.compose.ui.unit.sp

import com.example.assignment3.ui.theme.*RobotoFont*

import com.example.assignment3.ui.theme.*SpotifyFont*

class MainActivity : ComponentActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

*setContent* **{**

MyAppContent()

**}**

}

}

@OptIn(ExperimentalMaterial3Api::class)

@Composable

fun MyAppContent() {

val context = *LocalContext*.current

var url = ""

BoxExample()

Column(

modifier = Modifier

.*fillMaxSize*()

.*padding*(16.*dp*),

horizontalAlignment = Alignment.CenterHorizontally

)

**{**

Spacer(modifier = Modifier.*height*(60.*dp*))

var username by remember **{** *mutableStateOf*("") **}**

var password by remember **{** *mutableStateOf*("") **}**

Text(

text = "LOG-IN",

fontFamily= *SpotifyFont*,

fontSize = 45.*sp*,

color = Color.Black

)

Spacer(modifier = Modifier.*height*(50.*dp*))

OutlinedTextField(

label = **{** Text("Enter Email", fontFamily = *SpotifyFont*) **}**,

keyboardOptions = KeyboardOptions(

keyboardType = KeyboardType.Email,

imeAction = ImeAction.Done

),

value = username,

onValueChange = **{** newUsername **->** username = newUsername **}**,

)

OutlinedTextField(

label = **{** Text("Enter Password", fontFamily = *SpotifyFont*) **}**,

value = password,

onValueChange = **{** newPassword **->** password = newPassword **}**,

keyboardOptions = KeyboardOptions(

keyboardType = KeyboardType.Password,

imeAction = ImeAction.Done

)

)

Spacer(modifier = Modifier.*height*(50.*dp*))

val selectedWeb = remember **{** *mutableStateOf*("") **}**

Column(

modifier = Modifier

.*fillMaxWidth*()

)

**{**

Row(

modifier = Modifier

.*fillMaxWidth*(),

horizontalArrangement = Arrangement.Center,

verticalAlignment = Alignment.CenterVertically

)

**{**

RadioButton(

selected = selectedWeb.value == Websites.amzn,

onClick = **{**

selectedWeb.value = Websites.amzn

**}**

)

Text(Websites.amzn, fontFamily = *RobotoFont*)

RadioButton(selected = selectedWeb.value == Websites.fb,

onClick = **{**

selectedWeb.value = Websites.fb

**}**)

Text(Websites.fb, fontFamily = *RobotoFont*)

RadioButton(selected = selectedWeb.value == Websites.ggl,

onClick = **{**

selectedWeb.value = Websites.ggl

**}**)

Text(Websites.ggl, fontFamily = *RobotoFont*)

RadioButton(selected = selectedWeb.value == Websites.yt,

onClick = **{**

selectedWeb.value = Websites.yt

**}**)

Text(Websites.yt, fontFamily = *RobotoFont*)

**}**

**}**

Spacer(modifier = Modifier.*height*(30.*dp*))

Button(

onClick =

**{**

if (selectedWeb.value == "Amazon") {

url = "https://www.amazon.in"

} else if (selectedWeb.value == "Facebook") {

url = "https://www.facebook.com"

} else if (selectedWeb.value == "Google") {

url = "https://www.google.com"

} else if (selectedWeb.value == "YouTube") {

url = "https://www.youtube.com"

}

context.startActivity(

Intent(

Intent.*ACTION\_VIEW*,

Uri.parse(url)

)

)

**}**,

modifier = Modifier.*padding*(all = 10.*dp*)

)

**{**

Text(

text = "SIGN IN",

fontFamily = *SpotifyFont*

)

**}**

**}**

}

object Websites

{

const val amzn = "Amazon"

const val fb = "Facebook"

const val ggl = "Google"

const val yt = "YouTube"

}

@Composable

fun BoxExample() {

Column **{**

Box(

modifier = Modifier

.*fillMaxWidth*(),

contentAlignment = Alignment.Center

) **{**

Image(

painter = painterResource(id = R.drawable.*bg*),

modifier = Modifier.*fillMaxSize*(),

contentDescription = "Background Image",

contentScale = ContentScale.Crop

)

**}**

**}**

}

@Preview(showBackground = true)

@Composable

fun MainPreview() {

MyAppContent()

}



