Class-01

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App-01

**Google**

***package* com.example.vit\_01g\_20bce1209**

***import* android.app.AlertDialog**

***import* android.content.Context**

***import* android.os.Bundle**

***import* androidx.compose.foundation.clickable**

***import* android.widget.Toast**

***import* androidx.activity.ComponentActivity**

***import* androidx.activity.compose.setContent**

***import* androidx.compose.foundation.Image**

***import* androidx.compose.foundation.background**

***import* androidx.compose.foundation.layout.\***

***import* androidx.compose.material.\***

***import* androidx.compose.material3.Button**

***import* androidx.compose.material3.ButtonDefaults**

***import* androidx.compose.material3.Checkbox**

***import* androidx.compose.material3.ExperimentalMaterial3Api**

***import* androidx.compose.material3.Text**

***import* androidx.compose.material3.TextField**

***import* androidx.compose.runtime.Composable**

***import* androidx.compose.runtime.mutableStateOf**

***import* androidx.compose.runtime.remember**

***import* androidx.compose.ui.*Alignment***

***import* androidx.compose.ui.*Modifier***

***import* androidx.compose.ui.graphics.Color**

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

***import* androidx.compose.ui.res.painterResource**

***import* androidx.compose.ui.text.input.TextFieldValue**

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

***import* androidx.compose.ui.unit.dp**

***import* androidx.compose.ui.unit.sp**

***import* java.security.AccessController.getContext**

***import* com.example.vit\_01g\_20bce1209.ui.theme.VIT\_01g\_20BCE1209Theme**

***class* MainActivity : ComponentActivity() {**

***override fun* onCreate(savedInstanceState: Bundle?) {**

***super*.onCreate(savedInstanceState)**

***setContent* {**

**VIT\_01g\_20BCE1209Theme {**

**app()**

**}**

**}**

**}**

**}**

**@OptIn(ExperimentalMaterial3Api::*class*)**

**@Composable**

***fun* app(){**

**Column(modifier= Modifier**

**.*fillMaxSize*()**

**.*background*(Color.White)**

**.*padding*(all = 16.*dp*), verticalArrangement = Arrangement.SpaceAround){**

***// variable declarations***

***var* name= remember{ *mutableStateOf*(TextFieldValue()) };**

***var* lname= remember{ *mutableStateOf*(TextFieldValue()) };**

***var* email= remember{ *mutableStateOf*(TextFieldValue()) };**

***var* password= remember{ *mutableStateOf*(TextFieldValue()) };**

***var* confirm= remember{ *mutableStateOf*(TextFieldValue()) };**

***//***

**Row(modifier = Modifier.*fillMaxWidth*(), verticalAlignment = Alignment**

**.CenterVertically, horizontalArrangement = Arrangement.Start){**

**Image(painter = painterResource(id = R.drawable.*img* ) , contentDescription ="" +**

**"" , modifier = Modifier.*padding*(all=16.*dp*))**

**}**

**Row(modifier = Modifier.*fillMaxWidth*(), verticalAlignment = Alignment**

**.CenterVertically, horizontalArrangement = Arrangement.SpaceAround,){**

**TextField(placeholder = {Text("first Name")},value =name.value , onValueChange ={name**

**.value=it}, modifier = Modifier**

**.*padding*(all = 8.*dp*)**

**.*fillMaxWidth*(0.46f))**

**TextField(placeholder = {Text("last Name ")},value =lname.value , onValueChange ={lname**

**.value=it}, modifier = Modifier**

**.*padding*(all = 8.*dp*)**

**.*fillMaxWidth*(0.9f))**

**}**

**Row(modifier = Modifier.*fillMaxWidth*(), verticalAlignment = Alignment**

**.CenterVertically, horizontalArrangement = Arrangement.SpaceAround){**

**TextField(placeholder = {Text("Email")},value =email.value , onValueChange ={email**

**.value=it}, modifier = Modifier**

**.*padding*(all = 8.*dp*)**

**.*fillMaxWidth*())**

**}**

**Text(text = "you can use letters,numbers & periods", fontSize = 12.*sp*, modifier =**

**Modifier.*padding*(horizontal = 18.*dp*));**

**Button(onClick = { */\*TODO\*/* }, colors= ButtonDefaults.buttonColors(Color.White)) {**

**Text(text = "Create a new email address instead",color= Color.Blue, fontSize = 16.*sp*)**

**}**

**Row(modifier = Modifier.*fillMaxWidth*(), verticalAlignment = Alignment**

**.CenterVertically, horizontalArrangement = Arrangement.SpaceAround,){**

**TextField(placeholder = {Text("Password")},value =password.value , onValueChange**

**={password**

**.value=it},**

**modifier =**

**Modifier**

**.*padding*(all = 8.*dp*)**

**.*fillMaxWidth*(0.46f))**

**TextField(placeholder = {Text("Confirm password", fontSize = 12.*sp*)},value =confirm**

**.value ,**

**onValueChange**

**={confirm.value=it}, modifier = Modifier**

**.*padding*(all = 8.*dp*)**

**.*fillMaxWidth*(0.9f))**

**}**

**Text(text = "Use 8 or more characters .letters,captial letters or numbers speical characters", fontSize = 12.*sp*, modifier =**

**Modifier.*padding*(horizontal = 18.*dp*))**

***val* isChecked = remember { *mutableStateOf*(*false*) }**

**Row(modifier = Modifier.*padding*(16.*dp*), verticalAlignment = Alignment.CenterVertically) {**

**Checkbox(**

**checked = isChecked.value,**

**onCheckedChange = { isChecked.value = it }**

**)**

**Text(text="Remember password", fontSize = 16.*sp*, modifier = Modifier.*clickable* {**

**isChecked.value=!isChecked.value })**

**}**

**Row(horizontalArrangement = Arrangement.SpaceAround, modifier = Modifier.*fillMaxWidth*()){**

**Button(onClick = { */\*TODO\*/* }, colors=ButtonDefaults.buttonColors(Color.White)) {**

**Text(text = "sign in instead",color= Color.Blue, fontSize = 16.*sp*)**

**}**

**Button(onClick = { */\*TODO\*/* }, colors=ButtonDefaults.buttonColors(Color.Blue)) {**

**Text(text = "Next",color= Color.White, fontSize = 16.*sp*)**

**}**

**}**

**}**

**}**

**InstaGram**

*package* com.example.vit\_01i\_20bce1209

*import* android.os.Bundle

*import* android.widget.Toast

*import* androidx.activity.ComponentActivity

*import* androidx.activity.compose.setContent

*import* androidx.compose.foundation.\*

*import* androidx.compose.foundation.gestures.scrollable

*import* androidx.compose.foundation.layout.\*

*import* androidx.compose.foundation.shape.RoundedCornerShape

*import* androidx.compose.material.\*

*import* androidx.compose.material.icons.Icons

*import* androidx.compose.material.icons.filled.*MoreVert*

*import* androidx.compose.material3.AlertDialog

*import* androidx.compose.material3.Button

*import* androidx.compose.material3.ButtonDefaults

*import* androidx.compose.material3.DropdownMenu

*import* androidx.compose.material3.DropdownMenuItem

*import* androidx.compose.material3.ExperimentalMaterial3Api

*import* androidx.compose.material3.Icon

*import* androidx.compose.material3.IconButton

*import* androidx.compose.material3.OutlinedTextField

*import* androidx.compose.material3.Text

*import* androidx.compose.material3.TextButton

*import* androidx.compose.material3.TextFieldDefaults

*import* androidx.compose.runtime.\*

*import* androidx.compose.ui.*Alignment*

*import* androidx.compose.ui.*Modifier*

*import* androidx.compose.ui.graphics.Color

*import* androidx.compose.ui.graphics.*RectangleShape*

*import* androidx.compose.ui.graphics.StrokeCap

*import* androidx.compose.ui.graphics.StrokeJoin

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

*import* androidx.compose.ui.res.colorResource

*import* androidx.compose.ui.res.painterResource

*import* androidx.compose.ui.text.TextStyle

*import* androidx.compose.ui.text.font.FontStyle

*import* androidx.compose.ui.text.font.FontWeight

*import* androidx.compose.ui.text.input.TextFieldValue

*import* androidx.compose.ui.text.style.TextAlign

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

*import* androidx.compose.ui.unit.dp

*import* androidx.compose.ui.unit.sp

*import* com.example.vit\_01i\_20bce1209.ui.theme.VIT\_01i\_20BCE1209Theme

*class* MainActivity : ComponentActivity() {

*override fun* onCreate(savedInstanceState: Bundle?) {

*super*.onCreate(savedInstanceState)

*setContent* **{**

VIT\_01i\_20BCE1209Theme **{**

*// A surface container using the 'background' color from the theme*

MainPage()

**}**

**}**

}

}

@Composable

*fun* EmptyBoxWithBorders() {

Box(

modifier = Modifier

.*width*(130.*dp*)

.*height*(1.*dp*)

.*background*(color = Color.Transparent)

.*border*(

border = *BorderStroke*(

width = 2.*dp*,

color = Color.Gray

),

shape = *RectangleShape*

)

)

}

@OptIn(ExperimentalMaterial3Api::*class*)

@Composable

*fun* textFieldEntry(secondaryColor:Color,placeholder:String,onValueChanged: (String) -> Unit):String{

*val* textState = remember **{** *mutableStateOf*(TextFieldValue()) **}**

OutlinedTextField(

value = textState.value,

onValueChange = **{**values**->**

textState.value = values

onValueChanged(values.text)

**}**,

modifier = Modifier.*fillMaxWidth*(),

placeholder = **{** Text(placeholder,color=secondaryColor) **}**,

singleLine = *true*,

colors = TextFieldDefaults.textFieldColors(containerColor = Color.Transparent, textColor =

secondaryColor

)

)

*return* textState.value.text

}

@Composable

*fun* BlueButton(textstr:String){

Button(onClick = **{**

**}**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(16.*dp*),shape = *RoundedCornerShape*(10.*dp*),colors= ButtonDefaults.buttonColors

(containerColor = Color

.Blue)) **{**

Image(painter = painterResource(id = R.drawable.*img\_1*), contentDescription = "facebook " +

"icon", modifier = Modifier.*size*(30.*dp*))

Text(textstr,color=Color.White, fontSize = 20.*sp*)

**}**

}

@Preview(showBackground = *true*)

@Composable

*fun* MainPage(){

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

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

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

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

*var* primaryColor *by* remember **{**

*mutableStateOf*(Color.White)

**}**

*var* secondaryColor *by* remember **{**

*mutableStateOf*(Color.Black)

**}**

Column(modifier= Modifier

.*verticalScroll*(rememberScrollState())

.*padding*(all = 16.*dp*)

.*fillMaxSize*()

.*background*(primaryColor), verticalArrangement = Arrangement.SpaceAround,

horizontalAlignment =

Alignment.CenterHorizontally

)**{**

*var* expanded *by* remember **{** *mutableStateOf*(*false*) **}**

Row(horizontalArrangement = Arrangement.Start, verticalAlignment = Alignment.Top)**{**

IconButton(onClick = **{**expanded=!expanded**}**,) **{**

Icon(

imageVector = Icons.Default.*MoreVert*,

contentDescription = "Options", modifier = Modifier.*background*(Color.White)

)

**}**

DropdownMenu(expanded = expanded, onDismissRequest = **{** expanded=*false* **}**, modifier =

Modifier.*background*(primaryColor)) **{**

DropdownMenuItem(onClick = **{**

primaryColor = Color.Black

secondaryColor=Color.White

**}**, text = **{** Text("Dark theme",color=secondaryColor) **}**)

DropdownMenuItem(onClick = **{**

primaryColor = Color.White

secondaryColor=Color.Black

**}**,text= **{**

Text("Light theme",color=secondaryColor)

**}**)

**}**

**}**

Image(painter = painterResource(id = R.drawable.*img*), contentDescription =" main " +

"logo",

Modifier

.*width*(250.*dp*)

.*height*(100.*dp*))

Text("Sign up to see photos and videos from your friends.", textAlign = TextAlign.Center,

fontSize = 20.*sp*, modifier = Modifier.*padding*(16.*dp*), color = secondaryColor, fontWeight

= FontWeight.Medium)

BlueButton(textstr = " Login with Facebook")

Row(horizontalArrangement = Arrangement.Center, verticalAlignment = Alignment

.CenterVertically)**{**

EmptyBoxWithBorders();

Text("OR",modifier= Modifier

.*fillMaxWidth*(0.25f)

.*padding*(all = 6.*dp*), textAlign = TextAlign.Center, fontSize = 18.*sp*,color=secondaryColor)

EmptyBoxWithBorders();

**}**

Column(verticalArrangement = Arrangement.Center, horizontalAlignment = Alignment

.CenterHorizontally)**{**

textFieldEntry(secondaryColor,"Mobile No or Email")**{**newValue**->**

email=newValue

**}**

Spacer(modifier = Modifier.*height*(10.*dp*))

textFieldEntry(secondaryColor,"Full Name")**{**

fullName=**it**

**}**

Spacer(modifier = Modifier.*height*(10.*dp*))

textFieldEntry(secondaryColor,"UserName")**{**

userName=**it**

**}**

Spacer(modifier = Modifier.*height*(16.*dp*))

textFieldEntry(secondaryColor,"Password")**{**

password=**it**

**}**

**}**

Row**{**

Text("People who use our service may have uploaded your contact information to Instagram" +

".Learn More",textAlign= TextAlign.Center, fontSize = 14.*sp*,color=secondaryColor)

*// Text("Click here",color=Color.Blue, fontSize =14.sp)*

**}**

*val* context = *LocalContext*.current

*// below line is use to set our state*

*// of dialog box to open as true.*

*val* openDialog = remember **{** *mutableStateOf*(*false*) **}**

*// below line is to check if the*

*// dialog box is open or not.*

*if* (openDialog.value) {

*// below line is use to*

*// display a alert dialog.*

AlertDialog(

*// on dialog dismiss we are setting*

*// our dialog value to false.*

onDismissRequest = **{** openDialog.value = *false* **}**,

*// below line is use to display title of our dialog*

*// box and we are setting text color to white.*

title = **{** Text(text = userName, color = Color.White) **}**,

*// below line is use to display*

*// description to our alert dialog.*

text = **{** Text("Hello! $fullName.your email is $email", color = Color.Black) **}**,

*// in below line we are displaying*

*// our confirm button.*

confirmButton = **{**

*// below line we are adding on click*

*// listener for our confirm button.*

TextButton(

onClick = **{**

openDialog.value = *false*

Toast.makeText(context, "Signed Up", Toast.*LENGTH\_LONG*).show()

**}**

, colors = ButtonDefaults.buttonColors(containerColor = Color.Magenta)) **{**

*// in this line we are adding*

*// text for our confirm button.*

Text("Ok", color = Color.White)

**}**

**}**,

*// in below line we are displaying*

*// our dismiss button.*

*// below line is use to add background color to our alert dialog*

containerColor = Color.White,

*// below line is use to add content color for our alert dialog.*

textContentColor = Color.Black,

titleContentColor = Color.Black,

)

}

Row**{**

Text("By signing up, you agree to our Terms , Privacy Policy and Cookies Policy .",

textAlign= TextAlign.Center,color=secondaryColor,fontSize=14.*dp*)

**}**

Button(onClick = **{**

openDialog.value=!openDialog.value

**}**,shape = *RoundedCornerShape*(10.*dp*), colors = ButtonDefaults

.buttonColors(containerColor =

Color.Blue), modifier = Modifier

.*padding*(8.*dp*)

.*fillMaxWidth*()) **{**

Text("Sign Up", textAlign = TextAlign.Center,color= Color.White, fontSize = 20.*sp*)

**}**

}

}