Class-02

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App-02

*package* com.example.vit\_02\_20bce1209

*import* Navigation

*import* android.os.Bundle

*import* androidx.activity.ComponentActivity

*import* androidx.activity.compose.setContent

*import* androidx.compose.foundation.layout.fillMaxSize

*import* androidx.compose.material3.MaterialTheme

*import* androidx.compose.material3.NavigationBar

*import* androidx.compose.material3.Surface

*import* androidx.compose.material3.Text

*import* androidx.compose.runtime.Composable

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

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

*import* com.example.vit\_02\_20bce1209.ui.theme.VIT\_02\_20BCE1209Theme

*class* MainActivity : ComponentActivity() {

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

*super*.onCreate(savedInstanceState)

*setContent* **{**

VIT\_02\_20BCE1209Theme **{**

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

Navigation()

**}**

**}**

}

}

*import* android.annotation.SuppressLint

*import* androidx.compose.foundation.background

*import* androidx.compose.foundation.layout.Column

*import* androidx.compose.foundation.layout.PaddingValues

*import* androidx.compose.foundation.layout.fillMaxSize

*import* androidx.compose.foundation.layout.padding

*import* androidx.compose.material3.Card

*import* androidx.compose.material3.CardDefaults

*import* androidx.compose.material3.ExperimentalMaterial3Api

*import* androidx.compose.material3.ListItemDefaults.*Elevation*

*import* androidx.compose.material3.NavigationBarDefaults.*Elevation*

*import* androidx.compose.material3.Scaffold

*import* androidx.compose.material3.Text

*import* androidx.compose.runtime.Composable

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

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

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

*import* androidx.navigation.NavController

*import* com.example.w2hw2.topBarUser

@Composable

*fun* SimpleCard(str:String){

*val* paddingModifier = Modifier.*padding*(10.*dp*)

Card(elevation = CardDefaults.cardElevation(defaultElevation = 10.*dp*), modifier =

paddingModifier) **{**

Text(text = str,

modifier = paddingModifier)

**}**

}

@SuppressLint("SuspiciousIndentation")

@OptIn(ExperimentalMaterial3Api::*class*)

@Composable

*fun* scaffoldIndetails(

navController: NavController,

name: String?,

lname: String?,

location: String?,

age: String?,

bloodType: String?,

email: String?,

) {

*var* names="User "

*if*(name!=*null* && lname!=*null*){

names="$name $lname"

}

Scaffold(topBar =**{**topBarUser(names)**}**,content=**{**

DetailScreen(**it**,navController,name,lname,location,age,bloodType,email)**}**)

}

@Composable

*fun* DetailScreen(

useless:*PaddingValues*,

navController: NavController,

name: String?,

lname: String?,

location: String?,

age: String?,

bloodType: String?,

email: String?,

) {

Column(

modifier = Modifier

.*fillMaxSize*()

.*background*(Color.DarkGray)

) **{**

*if* (name != *null* && lname != *null*) {

SimpleCard(str = "hello $name $lname")

}

*if* (location != *null*) {

SimpleCard(str = "location: $location")

}

*if* (age != *null*) {

SimpleCard(str = "dob: $age")

}

*if* (bloodType != *null*) {

SimpleCard(str ="blood type: $bloodType")

}

*if* (email != *null*) {

SimpleCard(str ="email: $email")

}

**}**

}

*import* android.app.DatePickerDialog

*import* android.widget.DatePicker

*import* androidx.compose.foundation.background

*import* androidx.compose.foundation.layout.Column

*import* androidx.compose.foundation.layout.Row

*import* androidx.compose.foundation.layout.fillMaxSize

*import* androidx.compose.foundation.layout.fillMaxWidth

*import* androidx.compose.foundation.layout.padding

*import* androidx.compose.material3.Button

*import* androidx.compose.material3.ExperimentalMaterial3Api

*import* androidx.compose.material3.Text

*import* androidx.compose.material3.TextField

*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.*Modifier*

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

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

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

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

*import* androidx.navigation.NavController

*import* androidx.navigation.NavHostController

*import* androidx.navigation.NavType

*import* androidx.navigation.compose.NavHost

*import* androidx.navigation.compose.composable

*import* androidx.navigation.compose.navArgument

*import* androidx.navigation.compose.rememberNavController

*//import androidx.navigation.navArgument*

*import* com.example.w2hw2.Screen

*import* com.example.w2hw2.textFieldEntry

*import* java.util.Calendar

@Composable

*fun* Navigation() {

*val* navController= rememberNavController()

NavHost(navController = navController, startDestination = Screen.mainScreen.route )**{**

*composable*(route=Screen.mainScreen.route)**{**

MainScreen(navController = navController)

**}**

*composable*(route=Screen.detailScreen

.route+"/{name}/{lname}/{location}/{age}/{BloodType}/{email}",

arguments = *listOf*(

***navArgument***("name")**{**

type= NavType.StringType

defaultValue="user"

**}**,

***navArgument***("lname")**{**

type= NavType.StringType

defaultValue="123"

**}**,

***navArgument***("location")**{**

type= NavType.StringType

defaultValue="delhi"

**}**,

***navArgument***("age")**{**

type= NavType.StringType

defaultValue="18"

**}**,

***navArgument***("BloodType")**{**

type= NavType.StringType

defaultValue="B+"

**}**,

***navArgument***("email")**{**

type= NavType.StringType

defaultValue="user123@gmail.com"

**}**

)

)**{**entry**->**

scaffoldIndetails(navController,

name=entry.arguments?.getString("name"),

lname= entry.arguments?.getString("lname"),

location= entry.arguments?.getString("location"),

age= entry.arguments?.getString("age"),

bloodType= entry.arguments?.getString("BloodType"),

email= entry.arguments?.getString("email"),

)

**}**

**}**

}

*import* androidx.compose.animation.core.animateFloatAsState

*import* androidx.compose.animation.core.tween

*import* androidx.compose.foundation.Canvas

*import* androidx.compose.foundation.Image

*import* androidx.compose.foundation.layout.Box

*import* androidx.compose.foundation.layout.size

*import* androidx.compose.runtime.Composable

*import* androidx.compose.runtime.LaunchedEffect

*import* androidx.compose.runtime.mutableStateOf

*import* androidx.compose.runtime.remember

*import* androidx.compose.runtime.setValue

*import* androidx.compose.runtime.getValue

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

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

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

*import* androidx.compose.ui.graphics.PaintingStyle.Companion.*Stroke*

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

*import* androidx.compose.ui.graphics.drawscope.Stroke

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

*import* androidx.compose.ui.unit.Dp

*import* androidx.compose.ui.unit.TextUnit

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

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

*import* com.example.vit\_02\_20bce1209.R

*//import com.example.ro.R*

@Composable

*fun* rotationLogo(

percentage:Float,

number:Int,

fontSize: TextUnit =28.*sp*,

radius: Dp =50.*dp*,

color: Color = Color.Red,

strokeWidth:Dp=4.*dp*,

animaDuration:Int=1000,

animDelay:Int=0

) {

*var* animationPlayed *by* remember **{**

*mutableStateOf*(*false*)

**}**

*val* curPercentage= animateFloatAsState(targetValue = *if*(animationPlayed)percentage *else* 0f,

animationSpec = *tween*(

durationMillis=animaDuration, delayMillis =animDelay

)

)

LaunchedEffect(key1 = *true* )**{**

animationPlayed=*true*

**}**

Box(contentAlignment = Alignment.Center, modifier = Modifier.*size*(radius\*2f))**{**

Canvas(modifier=Modifier.*size*(radius\*2f))**{**

drawArc(

color=color,

-90f,

360\*curPercentage.value,

useCenter = *false*,

style= Stroke(strokeWidth.*toPx*(),cap=StrokeCap.Round)

)

**}**

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

modifier=Modifier.*size*(100.*dp*) )

**}**

}

*package* com.example.w2hw2

*import* androidx.compose.foundation.Image

*import* androidx.compose.foundation.background

*import* androidx.compose.foundation.layout.Box

*import* androidx.compose.foundation.layout.Row

*import* androidx.compose.foundation.layout.fillMaxSize

*import* androidx.compose.foundation.layout.fillMaxWidth

*import* androidx.compose.foundation.layout.padding

*import* androidx.compose.foundation.layout.size

*import* androidx.compose.material3.Card

*import* androidx.compose.material3.CardElevation

*import* androidx.compose.material3.Text

*import* androidx.compose.runtime.Composable

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

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

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

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

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

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

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

*import* com.example.vit\_02\_20bce1209.R

@Composable

*fun* topBarUser(username:String) {

Card(modifier= Modifier

.*fillMaxWidth*()

.*background*(Color.White)

)**{**

Row(modifier =Modifier.*fillMaxWidth*().*background*(color = Color.White), verticalAlignment =

Alignment

.CenterVertically) **{**

Image(painter = painterResource(id = R.drawable.*img*), contentDescription = "logo of app",

modifier = Modifier.*size*(50.*dp*))

Text("Welcome $username", fontSize =25.*sp*, modifier = Modifier.*padding*(16.*dp*))

**}**

**}**

}