**Assignment**

**Week -2**

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**Code:**

**Main**

import androidx.activity.compose.setContent

import androidx.compose.foundation.layout.fillMaxSize import androidx.compose.material3.MaterialTheme 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 androidx.navigation.NavHostController

import androidx.navigation.compose.rememberNavController

import com.example.vitap\_20bcb7043.ui.theme.VITAP\_20bcb7043Theme

class MainActivity : ComponentActivity() { lateinit var navController: NavHostController

override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState)

*setContent* **{**

VITAP\_20bcb7043Theme **{**

navController = rememberNavController() Setupnavgraph(navController = navController)

**}**

**}**

}

}

**Homepage**

package com.example.vitap\_20bcb7043

import androidx.compose.foundation.Image import androidx.compose.foundation.background

import androidx.compose.foundation.layout.Arrangement import androidx.compose.foundation.layout.Column

import androidx.compose.foundation.layout.ExperimentalLayoutApi 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.mutableStateListOf 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.res.painterResource import androidx.compose.ui.unit.dp

import androidx.navigation.NavController

import com.example.vitap\_20bcb7043.sharedview.viewModel.sharedview

@OptIn(ExperimentalLayoutApi::class, ExperimentalMaterial3Api::class) @Composable

fun Home(

navController: NavController, viewModel: sharedview

) {

var laz by remember **{**

*mutableStateOf*("")

**}**

var laz1 by remember **{**

*mutableStateOf*("")

**}**

var laz2 by remember **{**

*mutableStateOf*("")

**}**

var laz3 by remember **{**

*mutableStateOf*("")

**}**

var dataList = remember **{**

*mutableStateListOf*<String>("")

**}**

Column(

verticalArrangement = Arrangement.Top, horizontalAlignment = Alignment.CenterHorizontally, modifier = Modifier

.*padding*(20.*dp*)

.*fillMaxSize*()

.*background*(Color.White)

) **{**

Image(

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

modifier = Modifier

.*padding*(all = 20.*dp*)

)

Text(text = "Enter your Name", color = Color.Black) TextField(

value = laz, onValueChange = **{** laz = **it }**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(10.*dp*)

)

Text(text = "Address", color = Color.Black) TextField(

value = laz1, onValueChange = **{** laz1 = **it }**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(10.*dp*)

)

Text(text = "Age", color = Color.Black) TextField(

value = laz2, onValueChange = **{** laz2 = **it }**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(10.*dp*)

)

Text(text = "Blood type", color = Color.Black) TextField(

value = laz3, onValueChange = **{** laz3 = **it }**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(10.*dp*)

)

Button(

onClick = **{** viewModel.setdata(laz) viewModel.setdata1(laz1) viewModel.setdata2(laz2) viewModel.setdata3(laz3)

navController.navigate(route = Scn.Details.route)

**}**,

modifier = Modifier

.*fillMaxWidth*()

.*padding*(12.*dp*)

) **{**

Text(text = "Submit")

**}**

**}**

}

**Detail page**

package com.example.vitap\_20bcb7043

import androidx.compose.foundation.Image

import androidx.compose.foundation.layout.Arrangement import androidx.compose.foundation.layout.Column 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.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.text.font.FontWeight import androidx.compose.ui.unit.dp

import androidx.navigation.NavController

import com.example.vitap\_20bcb7043.sharedview.viewModel.sharedview

@Composable

fun details(navController: NavController, viewModel: sharedview)

{

Column(verticalArrangement = Arrangement.Top, horizontalAlignment = Alignment.CenterHorizontally, modifier = Modifier

.*padding*(20.*dp*)

.*fillMaxSize*())

**{**

Image(

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

modifier = Modifier

.*padding*(all = 20.*dp*)

)

Text(text="Your Details",modifier= Modifier.*padding*(20.*dp*),fontWeight = FontWeight.Bold)

Text(text = "Name", color = Color.Black,modifier= Modifier.*padding*(20.*dp*),fontWeight = FontWeight.Bold)

Text(text=viewModel.Res.value, color = Color.Black,modifier= Modifier.*padding*(10.*dp*))

Text(text = "Address", color = Color.Black,modifier= Modifier.*padding*(20.*dp*),fontWeight = FontWeight.Bold)

Text(text=viewModel.Res1.value, color = Color.Black,modifier= Modifier.*padding*(10.*dp*))

Text(text = "Age", color = Color.Black,modifier= Modifier.*padding*(20.*dp*),fontWeight

= FontWeight.Bold)

Text(text=viewModel.Res2.value, color = Color.Black,modifier= Modifier.*padding*(10.*dp*))

Text(text = "Blood type", color = Color.Black,modifier= Modifier.*padding*(20.*dp*),fontWeight = FontWeight.Bold)

Text(text=viewModel.Res3.value, color = Color.Black,modifier= Modifier.*padding*(10.*dp*))

Button(onClick = **{** navController.navigate(route=Scn.Home.route)

**{**popUpTo(Scn.Home.route)**{** inclusive=true**} } }**, modifier = Modifier

.*fillMaxWidth*()

.*padding*(20.*dp*)

)

**{**

Text(text = "Back", fontWeight = FontWeight.Bold)

**}**

**}**

}

**Nav**

package com.example.vitap\_20bcb7043

import androidx.compose.runtime.Composable

import androidx.lifecycle.viewmodel.compose.viewModel import androidx.navigation.NavHost

import androidx.navigation.NavHostController

import com.example.vitap\_20bcb7043.sharedview.viewModel.sharedview import androidx.navigation.compose.NavHost

import androidx.navigation.compose.composable

@Composable

fun Setupnavgraph(navController: NavHostController){ val Viewmodel: sharedview = viewModel()

NavHost(navController = navController, startDestination = Scn.Home.route

)**{**

*composable*(

route=Scn.Home.route

)**{**

Home(navController, Viewmodel)

**}**

*composable*( route=Scn.Details.route,

)**{**

details(navController,Viewmodel)

**}**

**}**

}

**Sharedview**

class sharedview : ViewModel(){

private val res: MutableState<String> = *mutableStateOf*(" ") val Res: State<String> =res

private val res1: MutableState<String> = *mutableStateOf*(" ") val Res1: State<String> =res1

private val res2: MutableState<String> = *mutableStateOf*(" ") val Res2: State<String> =res2

private val res3: MutableState<String> = *mutableStateOf*(" ") val Res3: State<String> =res3

fun setdata(data:String){ res.value=data

}

fun setdata1(data:String){ res1.value=data

}

fun setdata2(data:String){ res2.value=data

}

fun setdata3(data:String){ res3.value=data

}

}

**Screen**

sealed class Scn(val route: String){

object Home:Scn(route="home\_Screen")

object Details:Scn(route="Details\_Screen")

}

**Output**



