

ASSIGNMENT-2

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Code:

```
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_20bce7232.ui.theme.VITAP_20bce7232
Theme
```

```
class MainActivity : ComponentActivity() {    lateinit
var navController: NavHostController    override fun
onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)        setContent {
    VITAP_20bce7232Theme {                navController
=                                rememberNavController()
Setupnavgraph(navController = navController)

    }
    }
} }
```

Homepage

```
package com.example.vitap_20bce7232
```

```
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_20bce7232.sharedview.viewModel.sharedview
```

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

```
@Composable fun
```

```
Home(
```

```
    navigationController: 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_20bce7232

```

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_20bce7232.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_20bce7232
```

```
import androidx.compose.runtime.Composable import
androidx.lifecycle.viewmodel.compose.viewModel import
androidx.navigation.NavHost import
androidx.navigation.NavHostController

```

```
import com.example.vitap_20bce7232.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")
}
```



Enter your Name

Address

Age

Blood type

Submit



Your Details

Name

Address

Age

Blood type

Back