The SmartBridge EXTERNSHIP

Android Application Development with Kotlin

Assessment 2

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Code:-

Main activity

```kotlin
package com.example.test.ui.theme


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.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.ActivityNavigator
import androidx.navigation.NavHostController
import androidx.navigation.compose.NavHost
import androidx.navigation.compose.composable
import androidx.navigation.compose.rememberNavController

sealed class destination(val route:String){
    object Home:destination("home")
    object Signin:destination("signin")
    object signup:destination("signup")
    object donate:destination("donate")
}

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            TestTheme {
                // A surface container using the 'background' color from the
theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
```

```
                color = MaterialTheme.colorScheme.background
            ) {
                val navcontroller = rememberNavController()
                navigate(navcontroller = navcontroller)
            }
        }
    }
}

@Composable
fun navigate(navcontroller:NavHostController){
    NavHost(navController = navcontroller, startDestination = "home"){
        composable(route = "home") { home(navcontroller)}
        composable(route = "signin") { signin(navcontroller)}
        composable(route = "signup") { signup(navcontroller)}
        composable(route = "donate") { donate(navcontroller)}
    }
}
```

Home screen :-

```
package com.example.test.ui.theme

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.Row
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.size
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.unit.dp
import androidx.navigation.NavHostController
import com.example.test.R

@Composable
fun home(navcontroller: NavHostController){
    Column(horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center ,
        modifier = Modifier
            .fillMaxSize()
            .background(Color.Red)) {
        Image(painterResource(id = R.drawable.images), contentDescription =
"" , modifier = Modifier.size(300.dp))
        Row(){
            Button(onClick = { navcontroller.navigate(route = "signin") }) {
```

```
            Text(text = "Sign in")
        }

            Button(onClick = { navcontroller.navigate(route = "signup")}) {
                Text(text = "Sign up")
            }}


    }
}
```

Sign in page:-

```kotlin
package com.example.test.ui.theme

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.material.icons.Icons
import androidx.compose.material.icons.filled.Email
import androidx.compose.material.icons.filled.Phone
import androidx.compose.material3.Button
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.Icon
import androidx.compose.material3.OutlinedTextField
import androidx.compose.material3.Text
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.res.painterResource
import androidx.compose.ui.text.input.TextFieldValue
import androidx.navigation.NavHostController
import com.example.test.R

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun signin(navcontroller: NavHostController) {
    Column(
        horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center,
        modifier = Modifier
            .fillMaxSize()
    ) {
        Image(painterResource(id = R.drawable.blooddrop), contentDescription
= "")



        var text by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
```

```
            value = text,
            leadingIcon = {
                Icon(
                    imageVector = Icons.Default.Email,
                    contentDescription = "emailIcon"
                )
            },
            onValueChange = {
                text = it
            },
            label = { Text(text = "Email address") },
            placeholder = { Text(text = "Enter your e-mail") },
        )

        var password by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = password,
            label = { Text(text = "Enter Your password") },
            onValueChange = {
                password = it
            },
            placeholder = { Text(text = "password") }
        )


        Button(onClick = { navcontroller.navigate(route = "donate") }) {
            Text(text = "Sign in")
        }

    }
}
```

Sign up page:-

```
package com.example.test.ui.theme

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.material.icons.Icons
import androidx.compose.material.icons.filled.Email
import androidx.compose.material.icons.filled.Phone
import androidx.compose.material3.Button
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.Icon
import androidx.compose.material3.OutlinedTextField
import androidx.compose.material3.Text
import androidx.compose.runtime.Composable
import androidx.compose.runtime.getValue
```

```kotlin
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.res.painterResource
import androidx.compose.ui.text.input.TextFieldValue
import androidx.navigation.NavHostController
import com.example.test.R

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun signup(navcontroller: NavHostController){
    Column(
        horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center,
        modifier = Modifier
            .fillMaxSize()
    ) {
        Image(painterResource(id = R.drawable.blooddrop), contentDescription
= "")

        var name by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = name,
            label = { Text(text = "Enter Your Name") },
            onValueChange = {
                name = it
            },
            placeholder = { Text(text = "Name") }
        )

        var text by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = text,
            leadingIcon = {
                Icon(
                    imageVector = Icons.Default.Email,
                    contentDescription = "emailIcon"
                )
            },
            onValueChange = {
                text = it
            },
            label = { Text(text = "Email address") },
            placeholder = { Text(text = "Enter your e-mail") },
        )
        var number by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = number,
            leadingIcon = {
                Icon(
                    imageVector = Icons.Default.Phone,
                    contentDescription = "emailIcon"
                )
            },
            onValueChange = {
```

```kotlin
                number = it
            },
            label = { Text(text = "phone number") },
            placeholder = { Text(text = "Enter your number") },
        )

        var password by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = password,
            label = { Text(text = "Enter Your password") },
            onValueChange = {
                password = it
            },
            placeholder = { Text(text = "password") }
        )

        var confirm by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = confirm,
            label = { Text(text = "Confirm your password") },
            onValueChange = {
                confirm = it
            },
            placeholder = { Text(text = "Confirm password") }
        )

        Button(onClick = { navcontroller.navigate(route = "signin") }) {
            Text(text = "Sign up")
        }

    }
}
```

Donate page:-

```kotlin
package com.example.test.ui.theme

import android.widget.Toast
import androidx.compose.foundation.Image
import androidx.compose.foundation.layout.Arrangement
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.Row
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.material3.Button
import androidx.compose.material3.ButtonDefaults
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.OutlinedTextField
import androidx.compose.material3.Text
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
```

```kotlin
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.navigation.NavHostController
import com.example.test.R

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun donate(navcontroller: NavHostController){

    Column(horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center,
        modifier = Modifier
            .fillMaxSize()) {

        val context = LocalContext.current


        Image(painterResource(id = R.drawable.donate), contentDescription =
"")

        var name by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = name,
            label = { Text(text = "Enter donner name") },
            onValueChange = {
                name = it
            },
            placeholder = { Text(text = "Name") }
        )

        var age by remember { mutableStateOf(TextFieldValue("")) }
        OutlinedTextField(
            value = age,
            label = { Text(text = "Enter donner age") },
            onValueChange = {
                age = it
            },
            placeholder = { Text(text = "age") }
        )

        Row() {
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.an), contentDescription
= "")
            }
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.ap), contentDescription
= "")
            }
        }

        Row() {
            Button(onClick = { /*TODO*/ } ,colors =
```

```
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.bn), contentDescription
= "")
            }
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.bp), contentDescription
= "")
            }
        }

        Row() {
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.on), contentDescription
= "")
            }
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.op), contentDescription
= "")
            }
        }

        Row() {
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.abn),
contentDescription = "")
            }
            Button(onClick = { /*TODO*/ } ,colors =
ButtonDefaults.buttonColors(Color.White)) {
                Image(painterResource(id = R.drawable.abp),
contentDescription = "")
            }
        }

        Button(onClick ={ /*TODO*/ } ) {
            Text(text = "Register")
        }


    }
}
```

Output:-

https://drive.google.com/file/d/1OclPx058xCoPfnej3y-ERHCnY2Yrwhx_/view?usp=sharing