WEEK 1 ASSIGNMENT

INSTAGRAM LOGIN

Vijayasharada Palakonda

20BCR7082

WEERK 2 ASSIGNMENT

DONATE BLOOD BANK APPLICATION

Mainactivity code:

```
package com.example.bloodbankapplication
 import   android.content.Intent   import   android.os.Bundle
import       android.provider.ContactsContract       import
android.view.MenuItem                                 import
androidx.activity.ComponentActivity                   import
androidx.activity.compose.setContent                  import
androidx.compose.foundation.BorderStroke              import
androidx.compose.foundation.Image                     import
androidx.compose.foundation.background                import
androidx.compose.foundation.layout.Arrangement        import
androidx.compose.foundation.layout.Box                import
androidx.compose.foundation.layout.Column             import
androidx.compose.foundation.layout.ColumnScope        import
androidx.compose.foundation.layout.Row                import
androidx.compose.foundation.layout.Spacer             import
androidx.compose.foundation.layout.fillMaxSize        import
androidx.compose.foundation.layout.fillMaxWidth       import
androidx.compose.foundation.layout.height             import
androidx.compose.foundation.layout.padding            import
androidx.compose.foundation.layout.size               import
androidx.compose.foundation.layout.width              import
androidx.compose.foundation.lazy.LazyColumn           import
androidx.compose.foundation.shape.CircleShape         import
androidx.compose.foundation.shape.RoundedCornerShape
import     androidx.compose.foundation.text.KeyboardOptions
import     androidx.compose.material.icons.Icons      import
androidx.compose.material.icons.filled.Home           import
androidx.compose.material.icons.filled.Info           import
androidx.compose.material.icons.filled.Person         import
androidx.compose.material.icons.filled.Settings       import
androidx.compose.material.icons.outlined.Email        import
androidx.compose.material.icons.outlined.Warning      import
androidx.compose.material3.AlertDialogDefaults.shape
import       androidx.compose.material3.Button        import
androidx.compose.material3.ButtonDefaults             import
androidx.compose.material3.Card
import     androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.ExtendedFloatingActionButton
import          androidx.compose.material3.Icon          import
androidx.compose.material3.MaterialTheme              import
androidx.compose.material3.OutlinedTextField          import
androidx.compose.material3.Scaffold                   import
androidx.compose.material3.Surface                    import
androidx.compose.material3.Text                       import
androidx.compose.material3.TextFieldDefaults          import
androidx.compose.runtime.Composable                   import
androidx.compose.runtime.getValue                     import
androidx.compose.runtime.mutableStateOf               import
androidx.compose.runtime.remember                     import
androidx.compose.runtime.rememberCoroutineScope       import
androidx.compose.runtime.setValue                     import
androidx.compose.ui.Alignment                         import
androidx.compose.ui.Modifier                          import
```

```
androidx.compose.ui.draw.clip                                    import
androidx.compose.ui.draw.paint                                   import
androidx.compose.ui.graphics.Brush                               import
androidx.compose.ui.graphics.Color
import      androidx.compose.ui.graphics.Color.Companion.Black      import
androidx.compose.ui.graphics.Shadow                                  import
androidx.compose.ui.graphics.Shape                                   import
androidx.compose.ui.graphics.painter.Painter                         import
androidx.compose.ui.layout.ContentScale                              import
androidx.compose.ui.platform.LocalContext                            import
androidx.compose.ui.res.painterResource                              import
androidx.compose.ui.text.TextStyle                                   import
androidx.compose.ui.text.font.FontFamily                             import
androidx.compose.ui.text.font.FontWeight                             import
androidx.compose.ui.text.input.KeyboardType                          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.dp   import
androidx.compose.ui.unit.sp                                          import
com.example.bloodbankapplication.ui.theme.BloodbankApplicationTheme import
kotlinx.coroutines.launch
class MainActivity : ComponentActivity() { override fun
onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState) setContent {
            Column(modifier = Modifier
                .fillMaxSize()
                .paint(      painter      =      painterResource(id      =
                    R.drawable.donateimg),          contentScale          =
                    ContentScale.Fit
                ),
                verticalArrangement = Arrangement.Center,
                horizontalAlignment = Alignment.CenterHorizontally) {


                Box(modifier = Modifier.padding(40.dp)){
                    Column() {
                        Image(painter = painterResource(id =
R.drawable.blood),
                            contentDescription = "Blood Logo", modifier
                            = Modifier
                                .width(80.dp)
                                .height(80.dp),
alignment = Alignment.Center)

                    }
                }


                Box(){
                    Textfield1()
                }
                Box(){
                    Textfield2()
                }


                Row(modifier = Modifier.padding(20.dp)) {
                    Column() {
```

```
                        ButtonSignUp()
                    }
                    Column(){
                        ButtonSignIn()
                    }
                }


                Text(text = "or SignIn with...", fontSize = 15.sp, style =
TextStyle(color = Black, fontWeight = FontWeight.Black,
                    fontFamily = FontFamily.SansSerif,
                    background = Color.White, shadow =
                    Shadow(color = Color.Gray),
                    textAlign = TextAlign.Center))
                Row(modifier = Modifier.padding(10.dp)) {
                    Column() {
                        CircleImageView(painter = painterResource(id =
R.mipmap.google))
                    }
                    Column(){
                        CircleImageView(painter = painterResource(id =
R.mipmap.facebook))
                    }
                }
            }


        }
    }
}


@OptIn(ExperimentalMaterial3Api::class)
@Composable fun
Textfield1() {
    Column(horizontalAlignment = Alignment.CenterHorizontally) { var
        textInput by remember { mutableStateOf("") }
        OutlinedTextField(value = textInput, onValueChange = {textInput =
it},
            label = { Text("Email") },
            keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Email),    leadingIcon    =    {Icon(Icons.Outlined.Email,
            contentDescription =
null)    },       colors    =    TextFieldDefaults.run    {
            outlinedTextFieldColors( focusedBorderColor =
            Color.Red, unfocusedBorderColor = Color.Gray ,
            focusedLabelColor         =         Color.Red,
            unfocusedLabelColor = Color.Gray)


            }
        )
    }
}
```

```
@OptIn(ExperimentalMaterial3Api::class)
@Composable fun
Textfield2() {
    Column(horizontalAlignment = Alignment.CenterHorizontally) { var
        textInput2 by remember { mutableStateOf("") }
        OutlinedTextField(value = textInput2, onValueChange = {textInput2 =
it},
            label = { Text("Password")},
            keyboardOptions = KeyboardOptions(keyboardType =
KeyboardType.Password),   leadingIcon   =   {Icon(Icons.Outlined.Warning,
            contentDescription
= null)},  colors = TextFieldDefaults.outlinedTextFieldColors(
            focusedBorderColor          =          Color.Red,
            unfocusedBorderColor         =         Color.Gray,
            focusedLabelColor = Color.Red, unfocusedLabelColor
            = Color.Gray
            )
        )
    }
}


@Composable fun ButtonSignIn() { val
mContext = LocalContext.current
    Button(   onClick   =   {   mContext.startActivity(Intent(mContext,
        homepage::class.java))
        },
        colors = ButtonDefaults.buttonColors(Color.Red),
        shape  =  RoundedCornerShape(20.dp),  modifier  =
        Modifier
            .padding(5.dp)
            .width(150.dp)
            .height(40.dp)
    ) {
        Text(text = "Sign In", color = Color.White) }
}


@Composable fun
ButtonSignUp() {
    Button( onClick
        = {
            //your onclick code
        },    border    =    BorderStroke(1.dp,
        Color.Red),
        colors = ButtonDefaults.outlinedButtonColors(contentColor =
Color.Red),            shape           =
        RoundedCornerShape(20.dp),
        modifier = Modifier
            .padding(5.dp)
            .width(150.dp)
            .height(40.dp)
    ) {
        Text(text = "Sign Up", color = Color.Red) }
}


@Composable
```

```
fun CircleImageView(painter: Painter)
{
    Image(      painter      =      painter,
        contentDescription = "Circle Image",
        contentScale   =   ContentScale.Crop,
        modifier = Modifier
            .size(60.dp)
            .clip(CircleShape)
            .padding(10.dp)// clip to the circle shape
    )
}
@Preview(showBackground = true)
@Composable fun
DefaultPreview() {
Textfield1()


}
```

Homepage code

```
package com.example.bloodbankapplication

import          android.annotation.SuppressLint          import
androidx.compose.material3.ExperimentalMaterial3Api     import
android.content.Intent  import  android.content.LocusId  import
android.os.Bundle   import   android.provider.ContactsContract
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.foundation.lazy.LazyColumn             import
androidx.compose.foundation.shape.RoundedCornerShape    import
androidx.compose.material.*                             import
androidx.compose.material.icons.Icons                   import
androidx.compose.material.icons.filled.Email            import
androidx.compose.material.icons.filled.Home             import
androidx.compose.material.icons.filled.Info             import
androidx.compose.material.icons.filled.Person           import
androidx.compose.material.icons.filled.Settings         import
androidx.compose.material.icons.rounded.AddCircle       import
androidx.compose.material.icons.rounded.Home            import
androidx.compose.material.icons.rounded.Settings        import
androidx.compose.material3.ButtonDefaults               import
androidx.compose.material3.Card                         import
androidx.compose.material3.CardDefaults                 import
androidx.compose.material3.DropdownMenu                 import
androidx.compose.material3.DropdownMenuItem             import
androidx.compose.material3.ExtendedFloatingActionButton import
androidx.compose.material3.Icon                         import
androidx.compose.material3.IconButton                   import
androidx.compose.material3.Scaffold                     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.rememberCoroutineScope         import
androidx.compose.runtime.setValue                       import
androidx.compose.ui.Alignment                           import
androidx.compose.ui.Modifier                            import
androidx.compose.ui.graphics.Brush                      import
androidx.compose.ui.graphics.Color                      import
androidx.compose.ui.graphics.Shadow                     import
androidx.compose.ui.graphics.painter.Painter
import androidx.compose.ui.graphics.vector.ImageVector
import  androidx.compose.ui.layout.ContentScale  import
androidx.compose.ui.platform.LocalContext       import
androidx.compose.ui.res.painterResource         import
androidx.compose.ui.text.TextStyle              import
androidx.compose.ui.text.font.FontFamily        import
androidx.compose.ui.text.font.FontWeight        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.bloodbankapplication.ui.theme.BloodBankApplicationTheme
import     com.example.bloodbankapplication.ui.theme.DrawerBody     import
com.example.bloodbankapplication.ui.theme.DrawerHeader              import
kotlinx.coroutines.launch import org.jetbrains.annotations.Contract
class homepage : ComponentActivity() {
    @SuppressLint("UnusedMaterial3ScaffoldPaddingParameter")
    @OptIn(ExperimentalMaterial3Api::class) override
    fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState) setContent {
            Scaffold ( topBar
                = {
                    Demo_DropDownMenu()

                },

                floatingActionButton = { fab()
                }
            ){


                LazyColumn(modifier = Modifier
                    .fillMaxSize()
                    .padding(10.dp)){       for
                    (index in 0 until 10) { item
                    {
                            ImageCard(painter = painterResource(id =
R.drawable.news1), contentDescription = "Around 5,000 students in colleges
across the state of lucknow are expected to donate blood at voluntary blood
donation camps on April 25 organized by the state higher education", title
= "")
                            Spacer(modifier = Modifier.padding(vertical =
10.dp))
                            ImageCard(painter = painterResource(id =
R.drawable.news2), contentDescription = "As many as 36 women donated blood
on the occasion of international Women's Day.There could not have been any
bigger way to celebrate the international Women's Day except for donating
blood for saving people lives ", title = "")
                            Spacer(modifier = Modifier.padding(vertical =
10.dp))
                            ImageCard(painter = painterResource(id =
```

```
R.drawable.news3), contentDescription = "Nowadays, a large number of people
are suffering from diabetes. Due to our lifestyle and stress, the sugar
levels in the blood increase. But can a diabetic patient donate blood? Well,
let’s find out. According to the Healthline report, a diabetic patient can
also donate blood.", title = "")
                                Spacer(modifier = Modifier.padding(vertical =
10.dp))
                                ImageCard(painter = painterResource(id =
R.drawable.news3), contentDescription = "Nowadays, a large number of people
are suffering from diabetes. Due to our lifestyle and stress, the sugar
levels in the blood increase. But can a diabetic patient donate blood? Well,
let’s find out. According to the Healthline report, a diabetic patient can
also donate blood.", title = "")
                                Spacer(modifier = Modifier.padding(vertical =
10.dp))
                            }
                        }
                    }
                }



            }
        }


}
@Composable
fun Demo_DropDownMenu() { val context
    = LocalContext.current
    var abc by remember { mutableStateOf(false)
    } Box( modifier = Modifier
            .fillMaxWidth()
            .wrapContentSize(Alignment.TopEnd)
    ) {
        IconButton(onClick = { abc = !abc }) { Icon(
            imageVector   =   Icons.Default.Settings,
            contentDescription = "More"
            )
        }


        DropdownMenu( expanded
            = abc,
            onDismissRequest = { abc = false }
        ) {
            DropdownMenuItem(  text  =  {
                Text("Login") }, onClick
                = {
                    Toast.makeText(context, "Login",
Toast.LENGTH_SHORT).show()
                }
            )
            DropdownMenuItem(   text   =   {
                Text("Sign up") },
```

```
                onClick = { Toast.makeText(context, "Sign up",
Toast.LENGTH_SHORT).show() }
            )
            DropdownMenuItem(    text    =    {
                Text("My Account") },
                onClick    =    {    Toast.makeText(context,    "My    Acount",
Toast.LENGTH_SHORT).show() }
            )
            DropdownMenuItem(
                text = { Text("Logout") },
                onClick = { Toast.makeText(context, "Logout",
Toast.LENGTH_SHORT).show() } )
            DropdownMenuItem(  text  =  {
                Text("Save") },
                onClick = { Toast.makeText(context, "Save",
Toast.LENGTH_SHORT).show() }
            )
        }
    }
}  @Composable  fun  ImageCard(
painter:                Painter,
contentDescription:     String,
title: String,
    modifier: Modifier = Modifier
){
    Card         (         modifier         =
        Modifier.fillMaxWidth(),   shape   =
        RoundedCornerShape(18.dp),
    ){
        Box(modifier = Modifier.height(200.dp)) { Image(painter =
            painter,  contentDescription  =  contentDescription,
            contentScale = ContentScale.FillWidth, modifier =
Modifier.fillMaxSize()
            )
            Box(modifier = Modifier
                .fillMaxSize()
                .background(         brush         =
                    Brush.verticalGradient(  colors
                    = listOf(
                            Color.Transparent,
                            Color.Black
                        ),
                        startY = 300f
                    )
                )){
                Box(modifier = Modifier
                    .fillMaxSize()
                    .padding(12.dp),
                    contentAlignment = Alignment.BottomStart ){
Text(title, style = TextStyle(color = Color.White, fontSize = 16.sp))
                   Text(contentDescription, style = TextStyle(color =
Color.White, fontSize = 16.sp))
                }
            }


        }
    }
```

```
}



@Composable
fun fab(){ val context =
    LocalContext.current
    ExtendedFloatingActionButton(
        text = {
            Text(text = "Donate Ur Blood", color = Color.White)
        },  icon  =  {  Icon(  painter  =
            painterResource(id =
R.drawable.ic_baseline_egg_24), contentDescription =
                "Navigate FAB", tint = Color.White,
            )
        },                  onClick                  =                  {
            context.startActivity(Intent(context,Info::class.java))


        },


    )
}


class profile {

}


@Preview(showBackground = true)
@Composable
fun DefaultPreview2() {


}
```

https://drive.google.com/drive/folders/1EL97C0cO8N_YaKowPnRSVLi35pPA2qa?usp=drive_link