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ASSIGNMENT 3 FILE LINK:

https://drive.google.com/file/d/1JAmEVSZhOv2LUEZQIAaS0i83CJJ0EHwz/view?usp=drive_link

CODE:

```
package com.example.youtube2

import android.annotation.SuppressLint
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.padding
import androidx.compose.foundation.lazy.LazyColumn
import androidx.compose.foundation.lazy.items
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.MaterialTheme
import androidx.compose.material3.Scaffold
import androidx.compose.material3.Surface
import androidx.compose.material3.Text
import androidx.compose.material3.TopAppBar
import androidx.compose.runtime.Composable
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.viewinterop.AndroidView
import com.example.youtube2.ui.theme.Youtube2Theme
import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer
import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.AbstractYouTubePlayerListener
import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePlayerView

class MainActivity : ComponentActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            Youtube2Theme {
                // A surface container using the 'background' color from
the theme
                Surface(
                    modifier = Modifier.fillMaxSize(),
                    color = MaterialTheme.colorScheme.background
                ) {
                    MainContent()
                }
            }
        }
    }
}
```

```

data class Amodel(val name:String, val image: Int)
data class Apmode(val name:String, val image: Int)
data class Macmodel(val name:String, val image: Int)
private val videosList= mutableListOf<Amodel>()
private val videosList1= mutableListOf<Apmode>()
private val videosList2= mutableListOf<Macmodel>()

@SuppressLint("UnusedMaterial3ScaffoldPaddingParameter")
@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun MainContent() {
    Scaffold(topBar = { TopAppBar(title = { Text("YOUTUBE", color =
Color.Black) } ) },
        content = { SimpleViewList() })
}

@Composable
fun SimpleViewList() {
    videosList.add(Amodel("Android", android.R.drawable.star_big_on))

    videosList1.add(Apmode("Apple", android.R.drawable.star_big_on))

    videosList2.add(Macmodel("Mac", android.R.drawable.star_big_on))

    LazyColumn(modifier = Modifier
        .fillMaxSize()
        .background(color = Color.White)
        .padding(10.dp))
    {
        items(videosList) {
            model ->
                YoutubeScreen("iJtaDCraCfk")
        }
        items(videosList1) {
            model ->
                YoutubeScreen("FT3ODSg1GFE")
        }
        items(videosList2) {
            model ->
                YoutubeScreen("iJtaDCraCfk")
        }
    }
}

@Composable
fun YoutubeScreen(
    videoId: String
) {
    val ctx = LocalContext.current
    AndroidView(factory = {
        var view = YouTubePlayerView(it)
        val fragment = view.addYouTubePlayerListener(
            object : AbstractYouTubePlayerListener() {
                override fun onReady(youTubePlayer: YouTubePlayer) {
                    super.onReady(youTubePlayer)
                }
            }
        )
    })
}

```

```
        youtubePlayer.loadVideo(videoId, 0f)  
    }  
    }  
    )  
    view  
    })  
}
```