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package com.example.ytfinal

import android.graphics.Paint.Align
import android.graphics.drawable.Icon
import android.media.Image
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.clickable
import androidx.compose.foundation.layout.Arrangement
import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.PaddingValues
import androidx.compose.foundation.layout.Row
import androidx.compose.foundation.layout.Spacer
import androidx.compose.foundation.layout.fillMaxHeight
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.foundation.layout.fillMaxWidth
import androidx.compose.foundation.layout.padding
import androidx.compose.foundation.layout.size
import androidx.compose.foundation.layout.width
import androidx.compose.foundation.layout.wrapContentHeight
import androidx.compose.foundation.layout.wrapContentWidth
import androidx.compose.foundation.lazy.LazyColumn
import androidx.compose.foundation.lazy.items
import androidx.compose.foundation.rememberScrollState
import androidx.compose.foundation.verticalScroll
import androidx.compose.material.icons.Icons
import androidx.compose.material.icons.filled.AccountBox
import androidx.compose.material.icons.filled.ThumbUp
import androidx.compose.material.icons.rounded.ThumbUp
import androidx.compose.material3.ExperimentalMaterial3Api
import androidx.compose.material3.Icon
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.runtime.mutableStateOf
import androidx.compose.runtime.remember
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.draw.drawBehind
import androidx.compose.ui.geometry.Offset
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.platform.LocalContext
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.semantics.Role.Companion.Image
import androidx.compose.ui.text.font.FontStyle
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 androidx.compose.ui.viewinterop.AndroidView
import com.example.ytfinal.ui.theme.YTFinalTheme
import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer
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import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.Abstr
actYouTubePlayerListener
import
com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.YouTubePl
ayerView

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

data class video(val name:String, val image : Int)

@Composable
fun VideoList(videoList: List<video>) {
    Row(modifier = Modifier.padding(top = 60.dp)) {

        LazyColumn(
            contentPadding = PaddingValues(horizontal = 10.dp, vertical =
15.dp),
            verticalArrangement = Arrangement.spacedBy(7.dp),
            modifier = Modifier
                .fillMaxSize()
                .background(Color.White)
                .clickable { }
        ) {
            items(videoList) { model ->
                ui(model = model)
            }
        }
    }
}

@Composable
fun ui(model: video) {
    val clickedItem = remember { mutableStateOf(0) }

    Row(
        verticalAlignment = Alignment.CenterVertically,
        modifier = Modifier
            .background(Color.Red)
            .fillMaxSize()
    ) {
        Image(
            painter = painterResource(id = model.image),

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        contentDescription = "",
        contentScale = ContentScale.FillBounds,
        modifier = Modifier
            .size(100.dp)
            .padding(5.dp)
            .clickable {
                clickedItem.value = if (clickedItem.value ==
model.image) 0 else model.image
            }
    )
    Column(horizontalAlignment = Alignment.Start, verticalArrangement =
Arrangement.Top) {
        Text(
            text = model.name,
            fontSize = 24.sp,
            fontWeight = FontWeight.SemiBold,
            color = Color.White
        )
    }
}

when (clickedItem.value) {
    R.drawable.img -> Greeting("1No8JGKPXq4")
    R.drawable.img_1 -> Greeting("JzmV28DT_ZE")
    R.drawable.img_2 -> Greeting("MoCeyxAdd8I")
    R.drawable.img_3 -> Greeting("My_S68DAAPg")
    else -> Unit // No video selected or video closed
}

}

@Composable
fun Greeting(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
    })
}

@OptIn(ExperimentalMaterial3Api::class)
@Composable
fun CustomScaffold() {
    Scaffold(topBar = { CustomTopBar() },
        bottomBar = { CustomBottomBar() },
        content = { pad -> MainContent(pad) }
    )
}

@Composable
fun MainContent(pad: PaddingValues) {

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        val videoList = mutableListOf<video>()
        videoList.add(video("Video 1", R.drawable.img_2))
        videoList.add(video("Video 2", R.drawable.img))
        videoList.add(video("Video 3", R.drawable.img_4))
        videoList.add(video("Video 4", R.drawable.img_3))
        videoList.add(video("Video 5", R.drawable.img_1))

        VideoList(videoList = videoList)
    }
    @Composable
    fun CustomBottomBar() {
    }

    @OptIn(ExperimentalMaterial3Api::class)
    @Composable
    fun CustomTopBar() {
        TopAppBar(
            title = {
                Row(
                    verticalAlignment = Alignment.Top,
                    modifier = Modifier
                        .padding(start = 10.dp)
                        .fillMaxWidth()
                ) {
                    androidx.compose.material3.Icon(
                        imageVector = Icons.Rounded.ThumbUp,
                        contentDescription = "",
                        tint = Color.Red,
                        modifier = Modifier
                            .padding(top = 10.dp)
                            .size(25.dp)
                    )

                    Spacer(modifier = Modifier.width(width = 6.dp))

                    Text(
                        text = "MyTube",
                        fontWeight = FontWeight.Bold,
                        fontStyle = FontStyle.Italic,
                        fontSize = 21.sp,
                        textAlign = TextAlign.Left,
                        modifier = Modifier.padding(top = 10.dp)
                    )
                }
            },
            modifier = Modifier.drawBehind {
                drawLine(
                    Color.Red,
                    Offset(0f, size.height),
                    Offset(size.width, size.height),
                    5f
                )
            }
        )
    }
}

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