

```
1 package com.example.youchube
2
3 import android.app.Activity
4 import android.content.Context
5 import android.content.ContextWrapper
6 import android.content.pm.ActivityInfo
7 import android.os.Bundle
8 import androidx.activity.ComponentActivity
9 import androidx.activity.compose.setContent
10 import androidx.compose.foundation.Image
11 import androidx.compose.foundation.isSystemInDarkTheme
12 import androidx.compose.foundation.layout.fillMaxSize
13 import androidx.compose.foundation.layout.padding
14 import androidx.compose.foundation.layout.size
15 import androidx.compose.foundation.shape.RoundedCornerShape
16 import androidx.compose.material3.Button
17 import androidx.compose.material3.Card
18 import androidx.compose.material3.ExperimentalMaterial3Api
19 import androidx.compose.material3.Icon
20 import androidx.compose.material3.MaterialTheme
21 import androidx.compose.material3.OutlinedTextField
22 import androidx.compose.material3.Surface
23 import androidx.compose.material3.Text
24 import androidx.compose.runtime.Composable
25 import androidx.compose.runtime.DisposableEffect
26 import androidx.compose.runtime.getValue
27 import androidx.compose.runtime.mutableStateOf
```

```
28 import androidx.compose.runtime.remember
29 import androidx.compose.runtime.setValue
30 import androidx.compose.ui.Modifier
31 import androidx.compose.ui.graphics.Color
32 import androidx.compose.ui.platform.LocalContext
33 import androidx.compose.ui.res.painterResource
34 import androidx.compose.ui.unit.dp
35 import androidx.compose.ui.viewinterop.AndroidView
36 import androidx.constraintlayout.compose.ChainStyle
37 import androidx.constraintlayout.compose.ConstraintLayout
38 import androidx.navigation.NavHostController
39 import androidx.navigation.compose.NavHost
40 import androidx.navigation.compose.composable
41 import androidx.navigation.compose.rememberNavController
42 import com.example.compose.AppTheme
43 import com.google.accompanist.systemuicontroller.rememberSystemUiController
44 import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.YouTubePlayer
45 import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.listeners.
    AbstractYouTubePlayerListener
46 import com.pierfrancescosoffritti.androidyoutubeplayer.core.player.views.
    YouTubePlayerView
47 import java.util.regex.Pattern
48
49 class MainActivity : ComponentActivity() {
50     override fun onCreate(savedInstanceState: Bundle?) {
51         super.onCreate(savedInstanceState)
52         setContent {
```

```
53 AppTheme {
54     // A surface container using the 'background' color from the theme
55     Surface(
56         modifier = Modifier.fillMaxSize(),
57         color = MaterialTheme.colorScheme.background
58     ) {
59         Nav()
60         Hide()
61     }
62 }
63 }
64 }
65 }
66
67 @Composable
68 private fun Hide() {
69     val systemUiController = rememberSystemUiController()
70     if (isSystemInDarkTheme()) {
71         systemUiController.setSystemBarsColor(
72             color = MaterialTheme.colorScheme.primaryContainer
73         )
74     } else {
75         systemUiController.setSystemBarsColor(
76             color = Color.White
77         )
78     }
79 }
```

```
80
81 @Composable
82 fun Navi() {
83     val navigator = rememberNavController()
84     NavHost(navController = navigator, startDestination = "Body") {
85         composable(route = "Body") {
86             Body(Navigator = navigator)
87         }
88         composable(route = "Video/{Vid}") {
89             val video = it.arguments?.getString("Vid")
90             if (video != null) {
91                 YoutubeScreen(videoId = video)
92             }
93         }
94     }
95 }
96
97 @OptIn(ExperimentalMaterial3Api::class)
98 @Composable
99 fun Body(Navigator: NavHostController) {
100     Card(
101         modifier = Modifier
102             .fillMaxSize()
103             .padding(20.dp)
104     ) {
105         ConstraintLayout(modifier = Modifier.fillMaxSize()) {
106             val (logo, url, button) = createRefs()
```

```

107     val vChain = createVerticalChain(logo, url, button, chainStyle =
ChainStyle.Packed)
108     var URL by remember {
109         mutableStateOf("")
110     }
111     var id: String? by remember {
112         mutableStateOf("")
113     }
114
115     if (isSystemInDarkTheme()) {
116         Image(painter = painterResource(id = R.drawable.yt_logo_rgb_dark),
117             contentDescription = "",
118             modifier = Modifier
119                 .size(200.dp)
120                 .constrainAs(logo) {
121                     start.linkTo(parent.start)
122                     end.linkTo(parent.end)
123                 })
124     } else {
125         Image(painter = painterResource(id = R.drawable.yt_logo_rgb_light),
126             contentDescription = "",
127             modifier = Modifier
128                 .size(200.dp)
129                 .constrainAs(logo) {
130                     start.linkTo(parent.start)
131                     end.linkTo(parent.end)
132                 })

```

```
133     }
134
135     OutlinedTextField(
136         value = URL,
137         onValueChange = { URL = it },
138         label = { Text(text = "Video URL") },
139         modifier = Modifier
140             .padding(top = 100.dp)
141             .constrainAs(url) {
142                 start.linkTo(parent.start)
143                 end.linkTo(parent.end)
144             })
145
146     Button(onClick = {
147         id = urlParser(URL)
148         Navigator.navigate(route = "Video/$id")
149     },
150         shape = RoundedCornerShape(5.dp),
151         modifier = Modifier
152             .padding(30.dp)
153             .constrainAs(button) {
154                 start.linkTo(parent.start)
155                 end.linkTo(parent.end)
156                 bottom.linkTo(parent.bottom, margin = 600.dp)
157             }) {
158         Text(text = "Play")
159         Icon(
```

```
160         painter = painterResource(id = R.drawable.  
        baseline_play_arrow_24),  
161         contentDescription = ""  
162     )  
163 }  
164 }  
165 }  
166 }  
167  
168 @Composable  
169 fun YoutubeScreen(  
170     videoId: String  
171 ) {  
172     AndroidView(factory = {  
173         val view = YouTubePlayerView(it)  
174         val fragment = view.addYouTubePlayerListener(  
175             object : AbstractYouTubePlayerListener() {  
176                 override fun onReady(youtubePlayer: YouTubePlayer) {  
177                     super.onReady(youtubePlayer)  
178                     youtubePlayer.loadVideo(videoId, 0f)  
179                 }  
180             })  
181         view  
182     }, modifier = Modifier.padding(75.dp))  
183     ScreenOrientation(ActivityResult.SCREEN_ORIENTATION_LANDSCAPE)  
184 }  
185 }
```

```
186
187 @Composable
188 fun ScreenOrientation(orientation: Int) {
189     val context = LocalContext.current
190     DisposableEffect(orientation) {
191         val activity = context.findActivity() ?: return@DisposableEffect onDispose
192         {}
193
194         val originalOrientation = activity.requestedOrientation
195         activity.requestedOrientation = orientation
196         onDispose {
197             // restore original orientation when view disappears
198             activity.requestedOrientation = originalOrientation
199         }
200     }
201
202     fun urlParser(url: String): String? {
203         var vid: String? = null
204         val pattern = Pattern.compile(
205             "^https?://.*(?:youtu.be/|v/|u/\\w/|embed/|watch?v=)([^\&?]*).*$",
206             Pattern.CASE_INSENSITIVE
207         )
208         val matcher = pattern.matcher(url)
209         if (matcher.matches()) {
210             vid = matcher.group(1)
211         }
212         return vid
213     }
```



```
212 }
213
214 fun Context.findActivity(): Activity? = when (this) {
215     is Activity -> this
216     is ContextWrapper -> baseContext.findActivity()
217     else -> null
218 }
```