

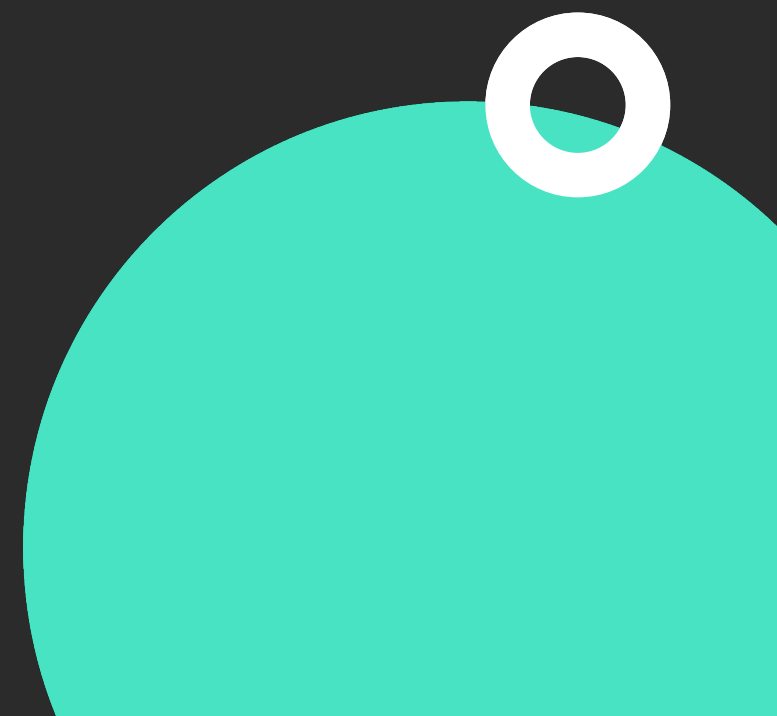


Accessibility in Android Jetpack Compose: Maximizing Jetpack Compose Previews



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in [In/qbalsdon](#)



Section Overview

- Setting up the sample app
- Setting up previews
- Preview groups
- Preview settings



Sample app

- Download or checkout the sample source

<https://github.com/droidcon-academy/android-mc-accessibility-compose-study-materials/tree/main/course-sample-projects>



```

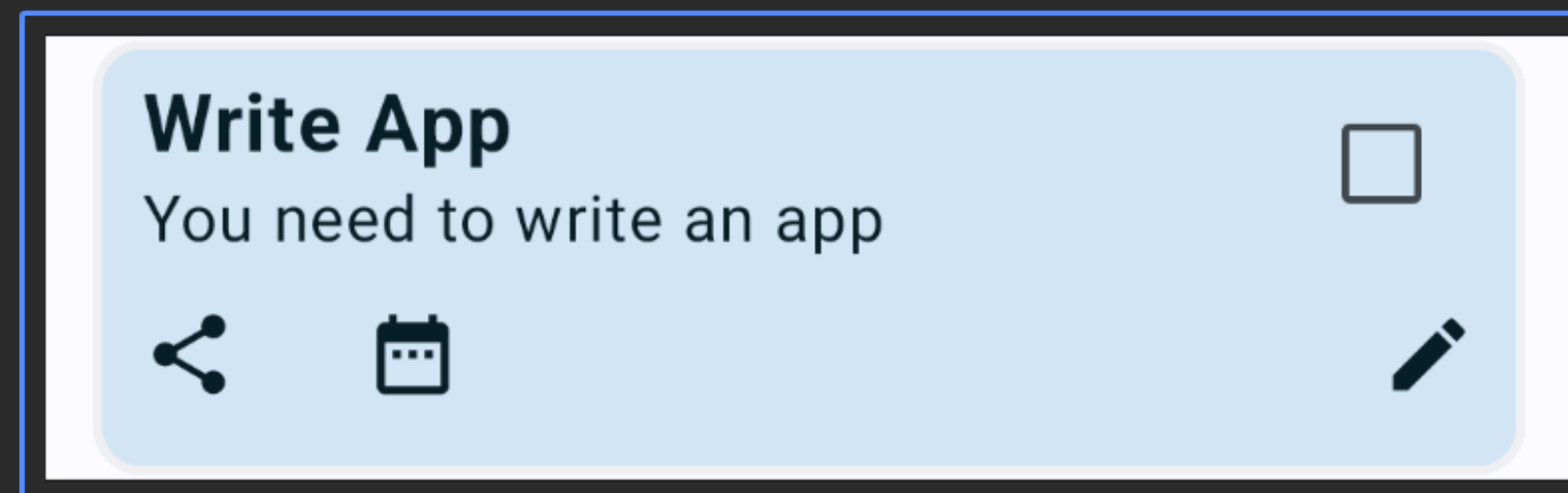
@Preview
@Composable
private fun ToDoListItemPreview() {
    AllDoneTheme {
        Surface(modifier = Modifier.padding(5.dp)) {
            ToDoListItem(
                ToDoItem(
                    id = 0,
                    title = "Write App",
                    description = "You need to write an app",
                    category = ToDoCategory.PERSONAL,
                )
            ) { _, _ -> /* Update: No-op */ }
        }
    }
}

```

Basic Previews

- Give an idea on what a how a view is going to be rendered
- A theme and a surface

ToDoListItemPreview



```
@Preview(  
    name = "small font",  
    group = "font scales",  
    fontScale = 0.5f  
)  
...  
@Preview(  
    name = "largest font",  
    group = "font scales",  
    fontScale = 2.5f  
)  
annotation class FontScalePreview
```

Preview Groups

- Custom **annotation** class



```

Blueprint(blueprintBuilder = {
    widths {
        group {
            "ShareButton".left lineTo "ShareButton".right
            ...
        }
        ...
    }
    heights {
        group {"ShareButton".top lineTo "ShareButton".bottom}
        ...
    }
}
) { ... }

```

Blueprint by Anton Popov

- Add measuring lines to confirm target sizes and layouts
- Has a “no-op” version so that it’s impact to production code is minimal



Section Summary

- Previews and grouping
- Font scaling
- Color blindness
- Touch target size
- Blueprints





User Interface Components

Up Next

