

Google's Screenshot Testing Framework for Compose

Go to `libs.versions.toml` and put:

```
screenshot = "0.0.1-alpha01"
```

And in the `plugins` section paste:

```
screenshot = { id = "com.android.compose.screenshot", version
```

Sync repo gradle files and in `gradle.properties` include:

```
android.experimental.enableScreenshotTest=true
```

In `build.gradle.kts` include in the `android` section:

```
experimentalProperties["android.experimental.enableScreenshotTest"]
```

Sync repo gradle files and in the `plugins` section of the same file add:

```
alias(libs.plugins.screenshot)
```

If there is any version problem with gradle go to `libs.versions.toml`, alt+enter on kotlin version line and update to the latest. With this change you will also need to change the `composeOptions` version in the `build.gradle.kts`.

In the `dependencies` section of the `build.gradle.kts` add the following dependencies:

```
debugImplementation(libs.androidx.ui.tooling)
screenshotTestImplementation(libs.androidx.ui.tooling)
```

Right click on app folder → create new folder → select `src/screenshotTest/kotlin`.

In that folder create the file `Previews.kt`. All the previews included in this file will be tested. Copy and paste the previews you want to test in this file.

Open the terminal and type

```
./gradlew updateDebugScreenshotTest
```

If builded successfully you can find the screenshot in the new folder created `src/debug`. This will be the reference for future tests, if you want to change the reference you need to run again the gradle task.

Run the test:

```
./gradlew validateDebugScreenshotTest
```

If builded successfully you can see that the test passed and you can see the test results inside the folder `build/test-results/TEST-PreviewsKt.xml`.

The tests compare the preview taken when you last executed the `updateDebugScreenshotTest` command with the current previews when you execute the `validateDebugScreenshotTest` command.

See <https://developer.android.com/studio/preview/compose-screenshot-testing> for any updates since it is currently an alpha version.