

Documentación Test Espresso Fire base

1. Código Test Espresso:

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</> activity_main.xml    © MainActivity3.java    © MainActivityTest.java ×    </> activity_main3.xml    © Ma

1  package com.example.JavaAplicacion;
2
3
4  > import ...

30
    ▸ Esteban Bustamante
31  @LargeTest
32  @RunWith(AndroidJUnit4.class)
33  ▶ public class MainActivityTest {
34
35      @Rule
36      public ActivityScenarioRule<MainActivity> mActivityScenarioRule =
37          new ActivityScenarioRule<>(MainActivity.class);
38
39      ▸ Esteban Bustamante
39  @Test
40  ▶ public void mainActivityTest() {
41      ViewInteraction materialButton = onView(
42          allOf(withId(R.id.MetodoF), withText("Metodo fibonacci"),
43              childAtPosition(
44                  childAtPosition(
45                      withId(android.R.id.content),
46                      position: 0),
47                  position: 8),
48              isDisplayed()));
49      materialButton.perform(click());

78      appCompatEditText.perform(replaceText("5"), closeSoftKeyboard());
79
80      ViewInteraction materialButton4 = onView(
81          allOf(withId(R.id.CF), withText("Calcular"),
82              childAtPosition(
83                  childAtPosition(
84                      withId(android.R.id.content),
85                      position: 0),
86                  position: 4),
87              isDisplayed()));
88      materialButton4.perform(click());
89
90      ViewInteraction materialButton5 = onView(
91          allOf(withId(R.id.button), withText("Volver"),
92              childAtPosition(
93                  childAtPosition(
94                      withId(android.R.id.content),
95                      position: 0),
96                  position: 6),
97              isDisplayed()));
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105         position: 0),
106         position: 9),
107         isDisplayed());
108     materialButton6.perform(click());
109
110     ViewInteraction appCompatEditText2 = onView(
111         allOf(withId(R.id.Numero), withContentDescription(text: "Numero"),
112             childAtPosition(
113                 childAtPosition(
114                     withId(android.R.id.content),
115                     position: 0),
116                 position: 2),
117             isDisplayed()));
118     appCompatEditText2.perform(replaceText(stringToBeSet: "5"), closeSoftKeyboard());
119
120     ViewInteraction materialButton7 = onView(
121         allOf(withId(R.id.GotoFactorial), withText("Calcular"),
122             childAtPosition(
123                 childAtPosition(
124                     withId(android.R.id.content),
125                     position: 0),
126                 position: 3),
127             isDisplayed()));
128     materialButton7.perform(click());
129
130     ViewInteraction materialButton8 = onView(
131         allOf(withId(R.id.Volver), withText("Volver"),
132             childAtPosition(

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132             childAtPosition(
133                 childAtPosition(
134                     withId(android.R.id.content),
135                     position: 0),
136                 position: 0),
137             isDisplayed()));
138     materialButton8.perform(click());
139
140     ViewInteraction appCompatEditText3 = onView(
141         allOf(withId(R.id.Caja1),
142             childAtPosition(
143                 childAtPosition(
144                     withId(android.R.id.content),
145                     position: 0),
146                 position: 7),
147             isDisplayed()));
148     appCompatEditText3.perform(replaceText(stringToBeSet: "5"), closeSoftKeyboard());
149
150     ViewInteraction appCompatEditText4 = onView(
151         allOf(withId(R.id.Caja2),
152             childAtPosition(
153                 childAtPosition(
154                     withId(android.R.id.content),
155                     position: 0),
156                 position: 6),
157             isDisplayed()));
158     appCompatEditText4.perform(replaceText(stringToBeSet: "4"), closeSoftKeyboard());
159

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160 ViewInteraction materialButton9 = onView(
161     allOf(withId(R.id.Suma), withText("Suma"),
162         childAtPosition(
163             childAtPosition(
164                 withId(android.R.id.content),
165                 position: 0),
166             position: 1),
167         isDisplayed()));
168 materialButton9.perform(click());
169
170 ViewInteraction materialButton10 = onView(
171     allOf(withId(R.id.Resta), withText("Resta"),
172         childAtPosition(
173             childAtPosition(
174                 withId(android.R.id.content),
175                 position: 0),
176             position: 5),
177         isDisplayed()));
178 materialButton10.perform(click());
179
180 ViewInteraction materialButton11 = onView(
181     allOf(withId(R.id.Division), withText("Dividir"),
182         childAtPosition(
183             childAtPosition(
184                 withId(android.R.id.content),
185                 position: 0),
186             position: 4),

```

```

34 usages  ▸ Esteban Bustamante
@ private static Matcher<View> childAtPosition(
    final Matcher<View> parentMatcher, final int position) {

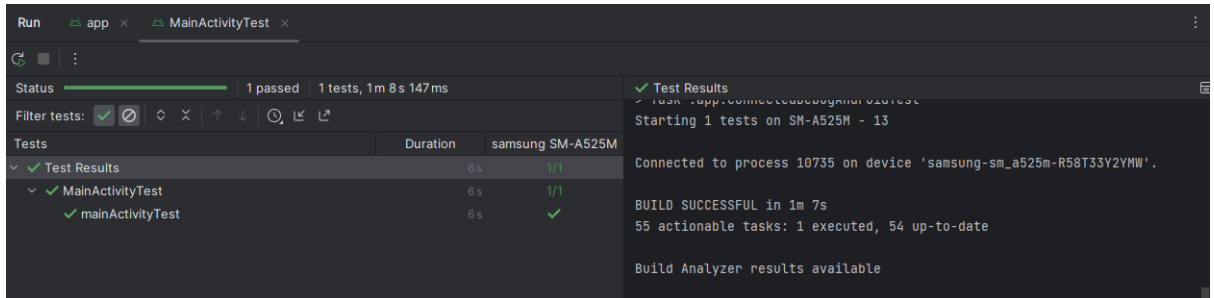
    ▸ Esteban Bustamante
    return new TypeSafeMatcher<View>() {
        ▸ Esteban Bustamante
        @Override
        public void describeTo(Description description) {
            description.appendText("Child at position " + position + " in parent ");
            parentMatcher.describeTo(description);
        }

        ▸ Esteban Bustamante
        @Override
        public boolean matchesSafely(View view) {
            ViewParent parent = view.getParent();
            return parent instanceof ViewGroup && parentMatcher.matches(parent)
                && view.equals(((ViewGroup) parent).getChildAt(position));
        }
    };
}
}

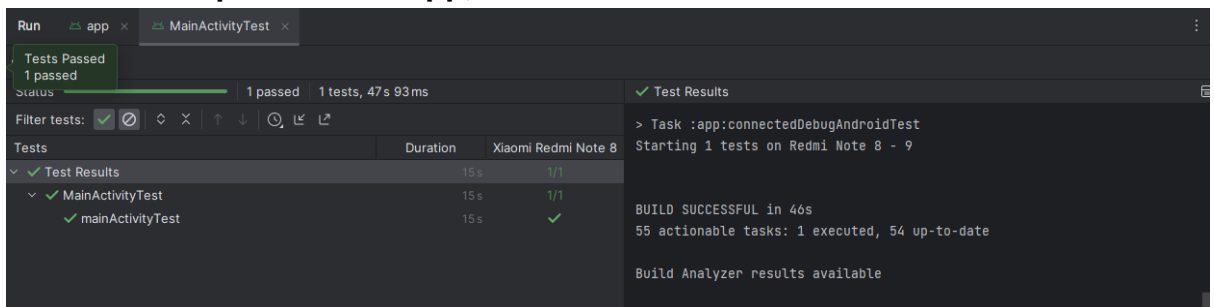
```

Observaciones:

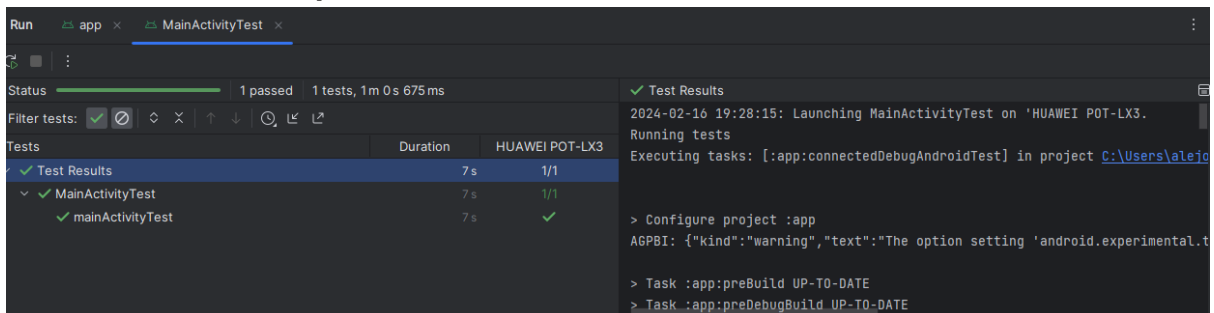
- En el Dispositivo Samsung A52 funciona correctamente.



- En el Dispositivo Redmi note 8 necesita de la intervención del usuario tan solo para abrir la app, de resto el test corre correctamente.



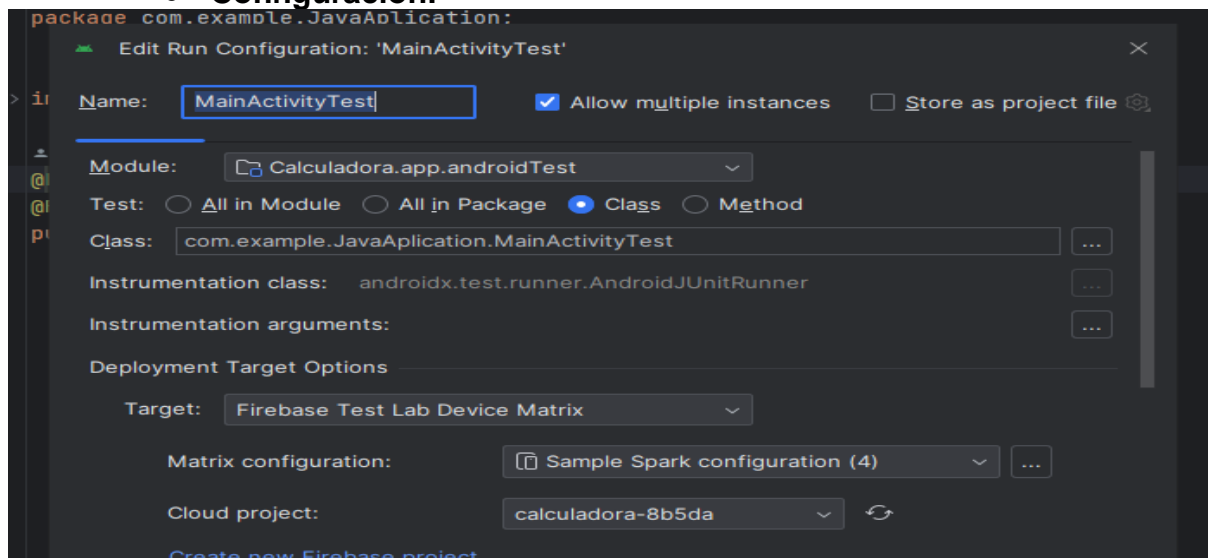
- En el Dispositivo Huawei funciona correctamente.



LOS VIDEOS ESTAN UBICADOS EN LA CARPETA:
Calculadora/app/src/androidTest/java/com/example/JavaA
plication/Video Test Dispositivos

2. Test por medio de Firebase:

- Configuración:



● Ejecución:

