Seeing the App in Action

We'll cover the following

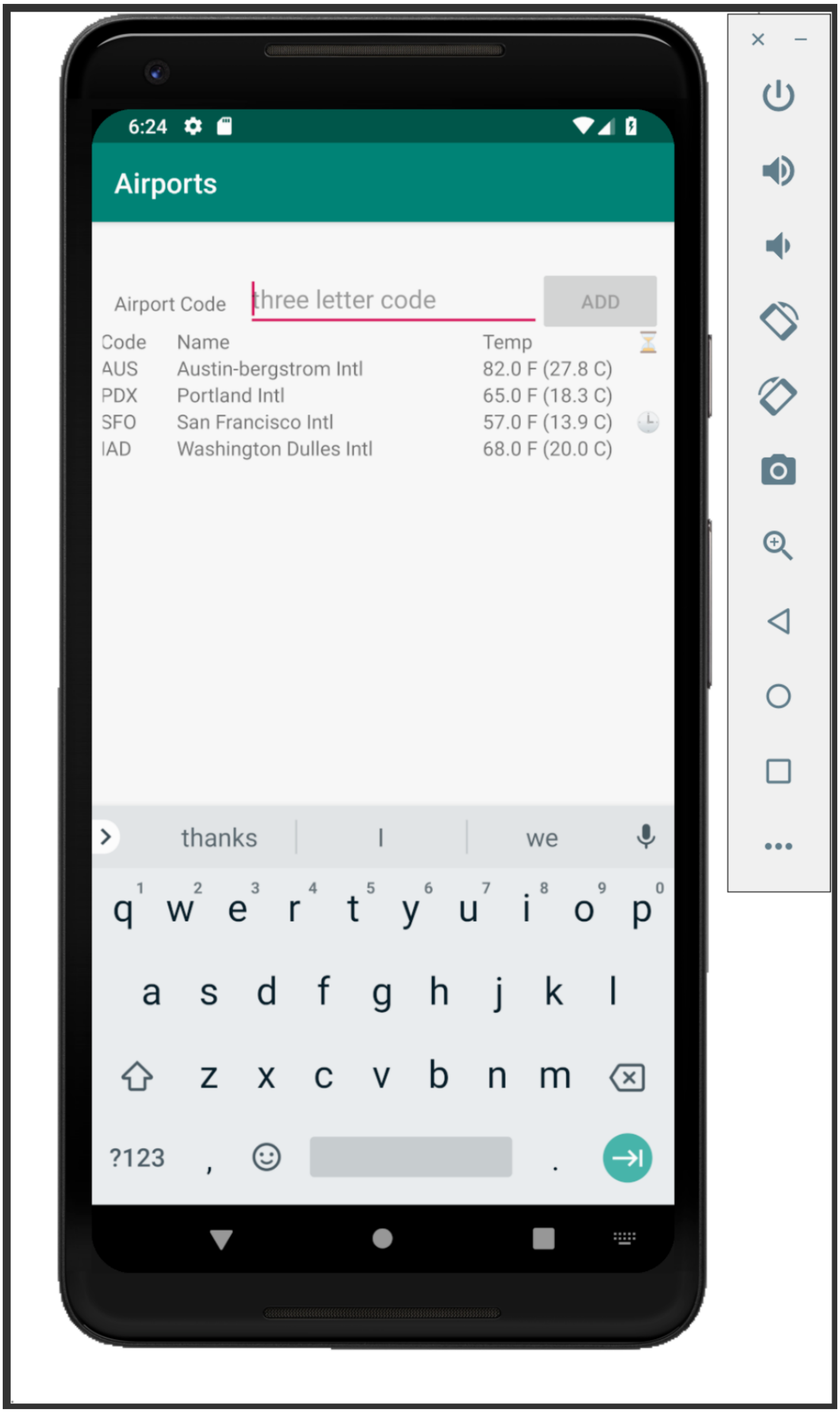
- Running the application

We’re ready to take the application for a ride. We’ll use an Android emulator to run the application and interact with it.

Running the application

Click the Run menu in the IDE and select the Run App menu item. In the dialog that opens, click the Create New Virtual Device button. Select Pixel 2 XL in the Phone tab. Click the x86 Images tab and click the Download link next to Pie on the line for x86_64 (or select the one that is appropriate for your system). Once you have the system image installed on your system, select it and press the Next button. Click the Finish button. Now select the device Pixel 2 XL API 28 and click OK.

Once the app launches in the emulator, enter a few airport codes, for example, “IAD”, “SFO”, “AUS”, “PDX”, one at a time, and click the ADD button. As you click the button, you’ll see the details of the airport emerge in the RecyclerView, like in the following figure:



```
Code   Name                      Temp
AUS    Austin-bergstrom Intl     82.0 F (27.8 C)
PDX    Portland Intl             65.0 F (18.3 C)
SFO    San Francisco Intl        57.0 F (13.9 C)
IAD    Washington Dulles Intl    68.0 F (20.0 C)
```

```
package com.agiledeveloper.airports

import android.support.test.InstrumentationRegistry
import android.support.test.runner.AndroidJUnit4

import org.junit.Test
import org.junit.runner.RunWith

import org.junit.Assert.*


/**
 * Instrumented test, which will execute on an Android device.
 *
 * See [testing documentation](http://d.android.com/tools/testing).
 */
@RunWith(AndroidJUnit4::class)
class ExampleInstrumentedTest {
    @Test
    fun useAppContext() {
        // Context of the app under test.
        val appContext = InstrumentationRegistry.getTargetContext()
        assertEquals("com.agiledeveloper.airports", appContext.packageName)
    }
}
```

The output shows the status of the airports that we entered, with only the San Francisco airport showing delays at the time of the run. The temperature is displayed both in Fahrenheit and Celsius.

The next lesson concludes the discussion for this chapter.