Programming Assignment 6

In this exercise, you’ll convert the News Reader app presented in chapter 10 so it uses fragments to allow this app to work better on devices with large screens. Although this app uses some new coding skills that you haven’t been introduced to yet, you can ignore them for now and focus on converting this app’s activities to fragments.

Test the app

1. Start Android Studio and open the project named ch09\_ex4\_NewsReader (PA6 Starter Code).
2. Run the app and test it. Note that it uses two activities to allow you to view a list of items or a single item.

Convert the Items activity so it uses a fragment

1. Make a copy of the activity\_items layout and name it fragment\_items.
2. Add the source code for a fragment named ItemsFragment. You can move most of the code that provides the functionality from the ItemsActivity class. To get this code to work correctly, you can use the getActivity method instead of the *this* keyword whenever you need to get a reference to the current activity.
3. Modify the activity\_items layout so it displays the fragment\_items layout.
4. Modify the ItemsActivity class so it only displays the activity\_items layout.
5. Test the app to make sure it works. At this point, it should work the same as it did in step 2.

Convert the Item activity so it uses a fragment

1. Make a copy of the activity\_item layout and name it fragment\_item.
2. Add the source code for a fragment named ItemFragment. You can move most of the code that provides the functionality from the ItemActivity class. To get this code to work correctly, you can use the getActivity method instead of the *this* keyword whenever you need to get a reference to the current activity.
3. Modify the activity\_item layout so it displays the fragment\_item layout.
4. Modify the ItemActivity class so it only displays the activity\_item layout.
5. Test the app to make sure it works. At this point, it should work the same as it did in step 2.