CIS 3515 Lab

Worksheet 8

Instructions: Adapt your application from the previous worksheet/lab (Color Picker with second language and Fragments) to incorporate a dynamic (responsive) UI, that will display a **single fragment** at a time if the application is being run **on a small screen (cell phone) in portrait mode**, but must display **both fragments simultaneously** if being run **on a larger device (tablet)** or if being run **in landscape mode, regardless of screen size**.

1. Create 3 layout files for the following

    1. Small portrait: this will contain a single fragment container

    2. Small landscape: this will contain 2 fragment containers

    3. Tablet: this will contain 2 fragment containers

2. When a user selects a color from the Adapter View, the detail fragment should be displayed and its layout background should be set to the selected color.

3. The UI must be responsive, therefore it's possible that the details fragment may or may not be active (visible) at the time the user selects a color from the master fragment. The behavior of the application (whether or not to replace a fragment) should be based on what layout file (configuration) is active at the time a color is selected.

4. **You have one week to complete this assignment. Upload your project or a GitHub link to Blackboard, or make arrangements to show your work to the TA <u>BEFORE</u> the beginning of next week's lab.**