**CP3406\_CP5307 – Practical 4 Exercises**

Follow through and complete the tasks below.

**Task 1: Fragments and Navigation in AndroidTrivia app – 100mins**

This week there are three code labs that explore various import Android Development concepts relating to multi-screen app development. You’re provided with some starter code for an incomplete app called AndroidTrivia, which quizzes the user on Android development facts (a fun study tool, perhaps?) In the first code lab, you’ll add a Fragment to the app and display it in MainActivity. In the second code lab, you build navigation between the app’s screens using the Navigation component, which is a powerful tool that simplifies navigation for app development. Finally, in the third code lab, you will learn about passing data between screens. **Once you have completed the codelabs, add another screen or fragment to support a new feature of your choice in the AndroidTrivia app (preferably passing data between them), and submit these additions with your practical submission.**

**Task 2: Self-reflection and Progress Demonstration – 20mins**

After completing the practical exercises, spend some time reflecting on how well you did, what things you had trouble with, what things were easy for you, what other things you might be interested in learning about. If there is a specific learning experience you want to write about in some detail, we encourage you to use the **Gibbs’ model of self-reflection**. See [here](https://www.ed.ac.uk/reflection/reflectors-toolkit/reflecting-on-experience/gibbs-reflective-cycle) for a discussion about Gibbs’ model plus an example.

**Steps:**

1. Create a short screencast (~2mins) demonstrating your practical work
2. Write a short self-reflection using the techniques described above (at least 100-300 words)
3. Add your screencast and a zip file of your project as the submission for this practical
4. Add your self-reflection into the “Self-reflections” Journal on the Mobile tech LearnJCU site