**CP3406\_CP5307 – Practical 5 Exercises**

Follow through and complete the tasks below.

**Task 1: Activity Lifecycle and Logging Codelabs – 100mins**

There are two codelabs to work on this week, both covering various aspects of lifecycles in Android. In the first codelab, you will work with a sample app called DessertClicker to explore the Activity lifecycle, and then revisit the AndroidTrivia app from prior codelabs to explore the Fragment lifecycle. You’ll also practice logging statements to Logcat for debugging purposes, and use the Timber framework to simplify logging. In the second codelab, you’ll work on handling complex lifecycle situations (app shutdown and configuration changes) with the DessertClicker app. **After completing the codelabs, explore the documentation on Activity or Fragment lifecycles and implement something that you haven't yet demonstrated, and submit this along with the 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