Project 4

CIS 436 – Winter 2019 – Prof. John P. Baugh
University of Michigan – Dearborn

Points: _____ /150
Due: **April 19, 2019 at 11:59 p.m.**

Objectives

- To put many of the topics from this course together
- To demonstrate the ability to gather requirements, design, and implement a mobile app

Instructions

This assignment is a little bit open-ended. In other words, you will have some flexibility. However, you must demonstrate knowledge of mobile development.

You must have **at least** the following to receive full points:

- An appropriate layout for the project you have chosen
- Three different types of widgets
- Two activities
    - Fragments are okay also
- A menu system or preferences
    - You only need one or the other, but you can use both
- A demonstration of multi-threading that makes use of something such as:
    - Web service or some other network-intensive action
    - SQLite DB or large file I/O
- A **document** (.doc, .docx, or .pdf) containing a description of your program's use, and screen shots showing the activities and features of your program
    - You must have at least one screen shot of each activity/fragment
- A **test plan**

    Part of your grade will be based on creativity, technical correctness, good programming style, comments, etc.

Deliverables

1. To turn in the assignment, please **zip** the entire project folder (containing the Gradle files, all sub-folders, etc.) and upload it to the appropriate assignment folder on Canvas.

2. You must also turn in a .doc, .docx, or .pdf of a **description of your project and screen shots** of your program in action. There must be at least one screen shot per activity. You may include the document **inside the top level** of your Android Studio project

Notes

- You may work in a group of up to three people
- Each person must contribute
- ONE person should upload the final project, and include **all names of all group members** in the description/screen shot document