

# Assignment 1

## COMP3074 F2020

Due: October 11, 2020, end of the day  
Weight: 10%

Your task is to build an Android application that satisfies the following requirements:

- Has two activities: MainActivity that implements the main functionality of the application and AboutActivity that shows your full name as per college record and student id
- The AboutActivity should be available through a menu
- A back button should appear in the ActionBar of the AboutActivity that takes user back to the MainActivity. It should be done through configuration!
- MainActivity should implement the following functionality
  - read the following input from the user:
    - number of hours worked
    - hourly rate
  - calculate the pay using the following formula
    - if no of hours is less or equal than 40 then **pay=no\_of\_hours\*hourly\_rate**
    - else, **pay=(no\_of\_hours-40)\*hourly\_rate\*1.5 + 40\*hourly\_rate**
  - calculate the tax using the following formula
    - **tax=pay\*0.18**
  - present following data to the user
    - pay
    - overtime pay
    - total pay
    - tax

### MARKING SCHEME:

- AboutActivity:.....1 point
- Menu implementation: .....2 point
- MainActivity:
  - Input implementation: .....2 points
  - Calculation: .....3 points
  - Output implementation: .....2 points

Submission:

ZPI with the project should be submitted on BlackBoard, a short 2-3 min video showing your screen in which you explain the implementation should be submitted with the zip file (as a separate file) You can use OBS software to record the screen