Assignment 1
COMP3074 F2025

Due: October 10, 2025, end of the day
Weight: 10%

Your task is to build an Android application that logs payments of a user which satisfies the following requirements:

- Has two activities: MainActivity that implements the main functionality of the application and DetailActivity that shows the list of payments
- The DetailActivity should be available through a menu
- A back button should appear in the ActionBar of the DetailActivity that takes user back to the MainActivity. It should be done through configuration!

MainActivity
- 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**
    - validate the input
    - display a success or error message in a form of toast or dialog
    - present following data to the user
        - pay
        - overtime pay
        - total pay
        - tax

DetailActivity
- DetailActivity should implement a list of input data in a form of ListView

Submission Instruction:
- Your project name should be as follows: **A1_yourFirstName_yourLastName**
- **You should host your work on GitHub and Provide your GitHub repository link in your submission.**
- **You should have minimum 20 commits for your project.**
- Include the "AI Usage Declaration" (attached below) as a pdf file.

MARKING SCHEME:

- DetailActivity: .... 3 points
- Menu implementation: .... 2 points
- MainActivity:
    - Input impelemntation: .... 2 points
    - Calculation: .... 2 points
    - Output implementation: ...... 1 points

AI Usage Declaration

AI Usage Declaration Submission Instructions

When completing your assignment, you must download and fill out the "AI Usage Declaration" form for each assignment where AI use is permitted. Once completed, convert the form to a PDF and **save it as aud.pdf**. _Submit this PDF along with your assignment. This declaration is required to confirm your appropriate use of AI tools, and failure to submit it will result in a zero for the assignment. Ensure all information provided is accurate and aligns with the academic integrity guidelines._

Student Information
- Name: _____
- Student ID: _____
- Course Code: _COMP3074_

Assessment Information
- Assessment Name: _Assignment 1_
- Submission Date: _____

(Add * for those applicable)
AI Tool(s) Used:
- ChatGPT
- Copilot
- DALL-E
- Other: [Specify]

Purpose of AI Usage:

(Select the primary purposes for which AI was used in this assessment)

- Idea Generation
- Writing Assistance
- Image Creation
- Coding/Programming
- Language Refinement
- Other: [Specify]

Details of AI-Generated Content:

(Provide brief examples or descriptions)

- **Example 1:** [Describe AI-generated content briefly]

Review and Refinement:

(Select the actions taken to refine AI output)

- Edited AI-generated content for accuracy
- Cross-checked AI output with reliable sources
- Made significant changes to AI-generated text or images
- Other: [Specify]

Quality Assurance and Ethical Considerations:

(Briefly describe how you ensured the quality and ethical use of AI)

Quality Check: [Briefly describe actions, e.g., "Verified facts with external sources."]

Ethical Use: [Briefly describe, e.g., "Avoided plagiarism by editing AI output and adding original content."]

Reflection on AI Usage:

(Briefly reflect on your experience using AI)

Reflection: [One or two sentences on how AI helped with the assessment.]

AI Usage Declaration
I, [**Your Full Name**] [**Student ID**], declare that the information provided in this AI Usage Declaration is accurate and truthful. I have adhered to the academic integrity guidelines and properly referenced all AI-generated content used in this assessment.

Original Work Declaration
- I declare that the work submitted is my own and that AI was used only as a tool to assist me in its completion.

- I understand that I am responsible for the content and quality of the work submitted, even if AI was used to generate parts of it.