

Assignment 2

COMP3074 F2023

Due: December 10, end of the day
Weight: 10%

Your task is to build a **React Native** app that can run on Android and iOS that satisfies the following requirements:

- Has two screens: MainScreen that implements the main functionality of the application and AboutScreen that shows your full name as per college record and student id
- The AboutScreen should be available through a navigation / tab
- MainScreen should implement the following functionality
 - read the following input from the user:
 - Size of a room in square feet or square meters (switch should be used to change the unit)
 - Price per unit of flooring
 - Price per unit of flooring installation
 - calculate the total cost of
 - **flooring = size*flooring_price**
 - **installation = size*installation_cost**
 - **total_cost= flooring+installation**
 - calculate the tax using the following formula
 - **tax=total_cost*0.13**
 - present following data to the user
 - installation cost before tax
 - flooring cost before tax
 - total cost (installation + flooring) before tax
 - tax

MARKING SCHEME:

- AboutScreen: 1 point
- Navigation implementation: 3 point
- MainScreen:
 - Input implementation: 2 points
 - Calculation: 2 points
 - Output implementation: 2 points

Submission:

ZPI with the project should be submitted on D2L, 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,

not in the zip) You can use Zoom or other software to record the screen. You can use expo.dev to build the solution.

It is individual task. Any attempt to plagiarize will result in grade 0 for this assignment.