MIDTERM PRACTICAL EXAM

Friday November 4th

CONVERSION APP - Individual

For the midterm you are to write a conversion calculator - like in Lab 1. The calculator should again complete at least 6 conversions in either direction (cm to in and in to cm counts as 2 conversions). This exam will be a take home exam so you are free to use your own computers. You are free to use any resource on the internet, but please do not rely on pages that explain exactly how to make a calculator app or provides the solution i.e. do not copy complete code from other sources. It is expected that you are working on this app **on your own** without the help of others, and the code should be your own. If you are unsure if you can use the resource, **ask first**. I will be available on Zoom, Moodle, and email to answer any questions during our regular class times

Required Elements - These are suggestions on what I think you will need. Feel free to substitute as needed.

- 1 input field (EditText)
- 1 output field
- Select **one**
    - (partial marks) Radio Buttons to select the conversion
    - (full marks) A Spinner to select the conversion
- Other optional elements as required (see sample)

	Not Demonstrated	Basic Understanding or Demonstration of Skills (0- 35%)	Average Understanding or Demonstration of Skills (36- 65%)	Proficient Understanding or Demonstration of Skills (66- 80%)	Exemplary Understanding or Demonstration of Skills (81- 100%)
Layouts (15 marks)		● Several Views are missing ● The layout of the app does not make sense or is hard to use	● Some Views are missing or ● The layout is difficult to use	● All required Views are present ● The layout makes sense and is easy to use	● The conversion selection uses a Spinner instead of Radio Buttons ● Extra Views are added for a more interesting app ● Layouts are combined/ nested for a useful flow
Score 1-15					
Interactive Views (25 marks)	● Buttons are not interactive	● There are several errors with the buttons or the logic	● Most of the buttons work as expected	● All buttons work as expected	● Extra/Optional Views not listed are functional ● Outputs change when the Spinner is changed and as the user enters text
Score 1-25					
Methods (10 marks)		● Does not use appropriate methods for getting and setting the display	● Uses appropriate methods for getting and setting text but there are several errors	● Uses appropriate methods for getting and setting text but there are some errors	● App uses appropriate methods without errors
Score 1-10					