



## Faculty of Engineering and Applied Science

<b>Course:</b>	SOFE4640U: Mobile Application Development
<b>Assignment:</b>	#1
<b>Topic:</b>	Basic App Development
<b>Due date</b>	Oct. 2, 2024 11:59 pm

**Note:** This assignment is meant to be completed individually

### Objectives:

Practice Android application development, specifically layouts, views and intents.

### Instructions:

To keep a record of mortgage details or EMI (equated monthly installment) is really difficult because you need to calculate everything according to it like monthly saving and monthly spending including daily expenses. And manually calculation contains errors and it is also not perfect. And you need to take care of things where you have done all the calculations.

What if one app is launched which make the calculation much easier and through which you can calculate your monthly EMI based on the amount of mortgage amount tenure, and interest rate.

For more details about mortgage calculation visit:

<https://tools.td.com/mortgage-payment-calculator/#top-page-content-2><https://apps.royalbank.com/apps/mortgages/mortgage-payment-calculator/>

Note: For simplicity, we will use monthly payment frequency.

### General Guidelines

In the courses' lectures, we have discussed many best practices for developing mobile apps, as well as best practices for the Android platform. Part of your mark will be allocated based on how well you adhere to those best practices. Other best practices you should be following include proper variable/method naming, and reasonably documented code. This means you don't need to document every line of code, but some of the high-level functionality.

### Assignment Submission

You can use a GitHub account to upload your project. Submit a zip file in canvas containing the following:

- 1) Folder containing the app source code

- 2) A maximum two-page report explaining how layouts, views and intents are used and please provide the GitHub reference in the report.

### Rubric

When marking, the TA will use the following rubric:

<b>Report</b>	<b>3</b>
<b>The App reflects the assignment's objectives</b>	<b>3.5</b>
<b>The source code correctness</b>	<b>3.5</b>
<b><i>Total</i></b>	<b><i>10</i></b>