Lab 8
JavaFX GUI

Learning Objective:

Analyze Problem and Construct Program using GUI Components (C4, P4, CTPS)

Dateline: Week 13 (Friday) - depending on your lab hour. Submit to your demonstrator before the lab session ends. Upload to Putrablast.

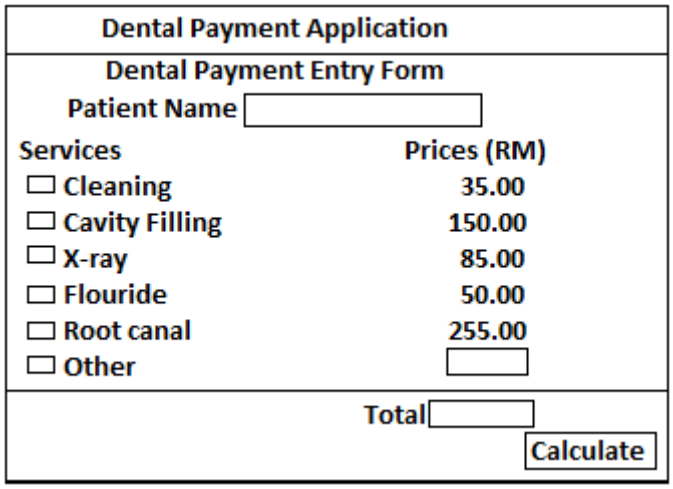
** Copy or other forms of cheating is forbidden. The standard penalty for the first offence is to award 0 to all parties concerned.

Question 1

A dentist requests you to develop the Dental Payment application. This application is used to calculate the total bill. The clinic provides the services and their price as shown in the table below.

	Services	Prices (RM)
1.	Cleaning	35.00
2.	Cavity Filling	150.00
3.	X-ray	85.00
4.	Flouride	50.00
5.	Root canal	225.00
6.	Other	Type in

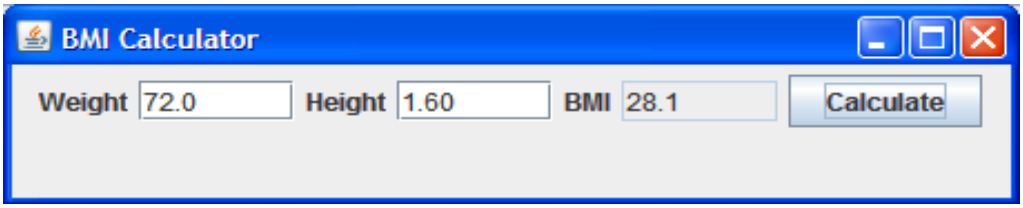
Your dental payment entry form is shown as follows:



Question 2

Construct a GUI application named “CalcBMI” that will display a window, in which the user will be able to enter weight in kilograms and height in meters then click a button “Calculate” to calculate BMI. The example of window “BMI Calculator” as below. The Body Mass Index (BMI) can be calculated with the following formula:

BMI = (weight in Kilogram)/ (height in meter x height in meter))



Your BMI calculator also contains a message panel that displays the message of BMI classification with the background color given.

BMI	Classification
<18.5	Underweight
18.5 – 24.9	Normal
25-29.9	Overweight
>30.0	Obesity