**CMPT 275 Assignment 3 Test Case pdf**

**Test case 1:** When a shape is selected, the parameter(s) for that shape are shown and set to a default value. The area and circumference are also updated using those default values.

Graphical user interface, application

Description automatically generated

Figure : Correct side length parameter is shown for Equilateral triangle

Graphical user interface

Description automatically generated

Figure : Correct height and width parameters are shown for the rectangle

A picture containing graphical user interface, diagram

Description automatically generated

Figure : Parameters for the ellipse are shown after user selects the ellipse shape

Graphical user interface, application

Description automatically generated

Figure : Correct parameter of side length for a square is shown

Graphical user interface, application

Description automatically generated

Figure : Circle default parameter shown

**Test Case 2:** Demonstrate circumference and area calculation for each shape

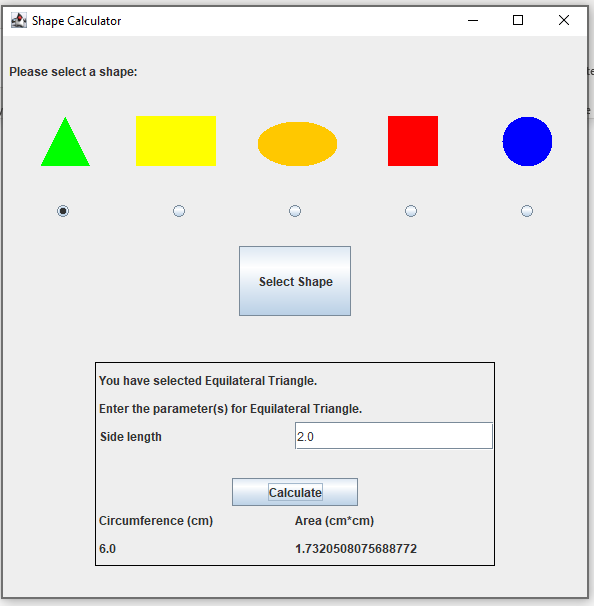


Figure : Triangle area and circumference recalculated with user inputs

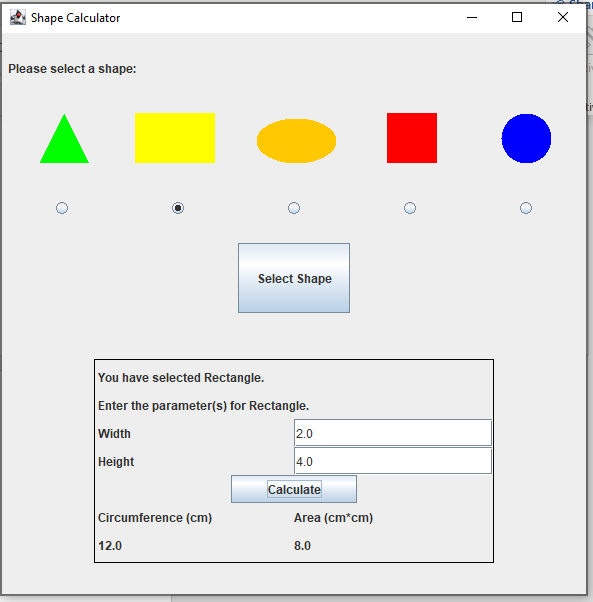


Figure : Rectangle area and circumference calculated based on user inputs

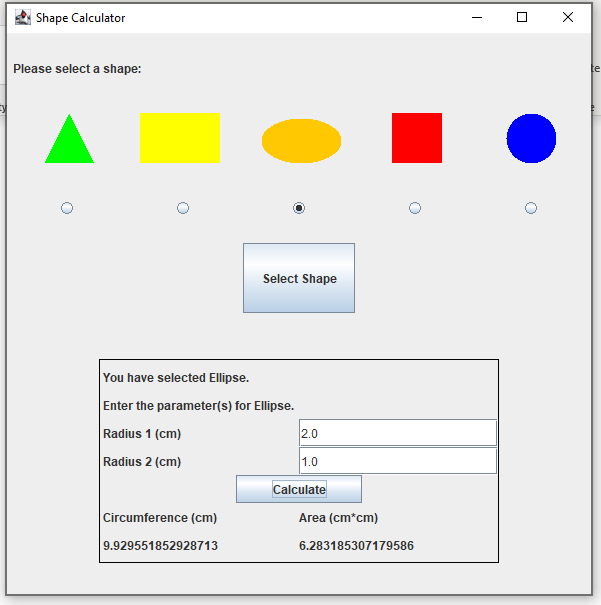


Figure : Ellipse recalculated area and circumference with user radii inputs

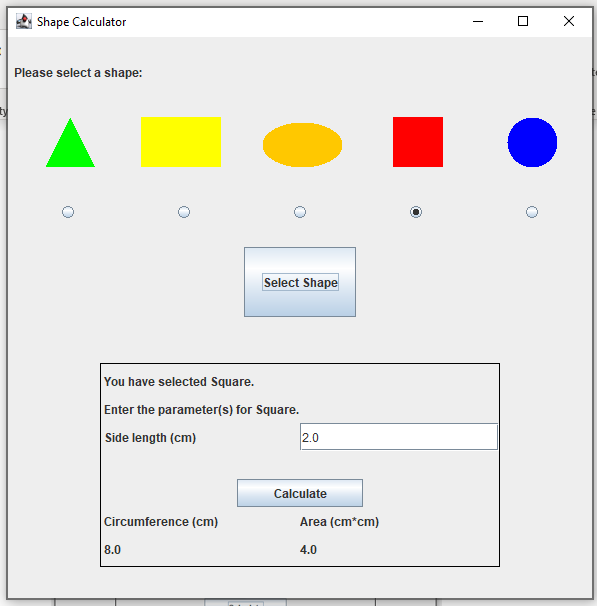


Figure : Square area and circumference using user inputted side length value

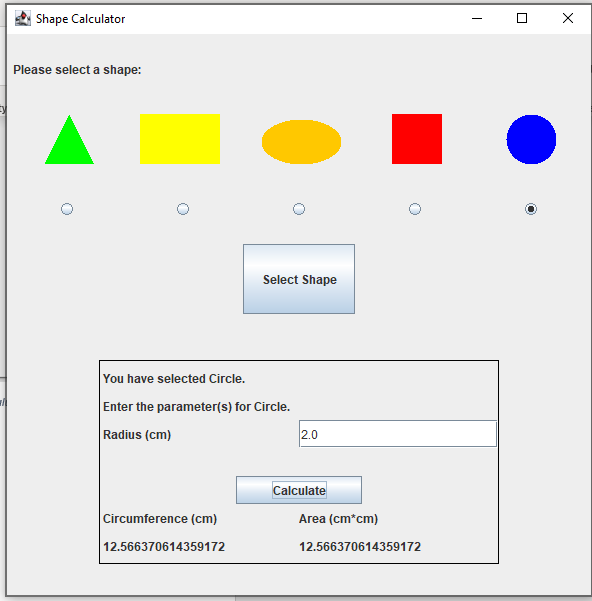


Figure : Circle area and circumference with user inputted values

**Test Case 3:** Validations on inputs that they must be doubles

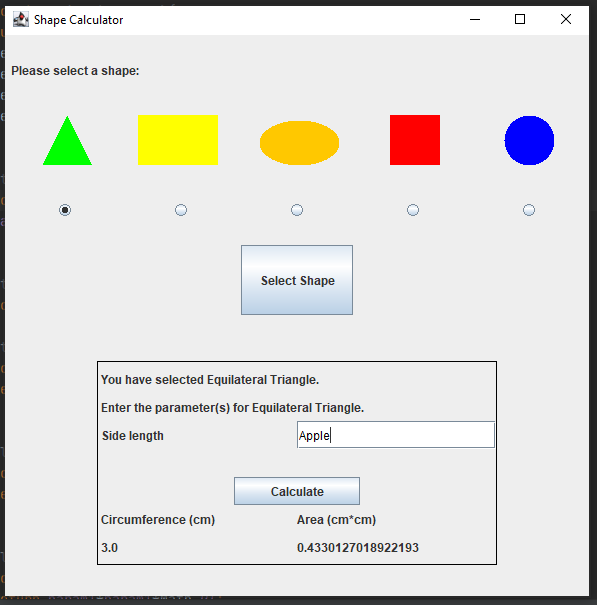


Figure : User about to calculate with string in input

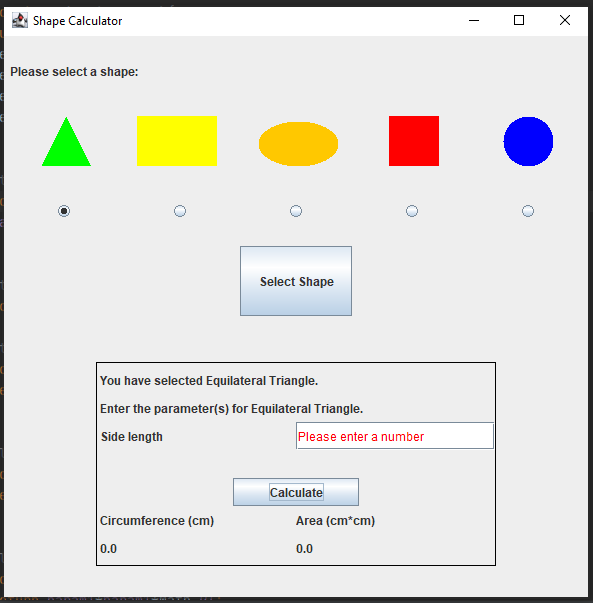


Figure : Error message for an invalid input

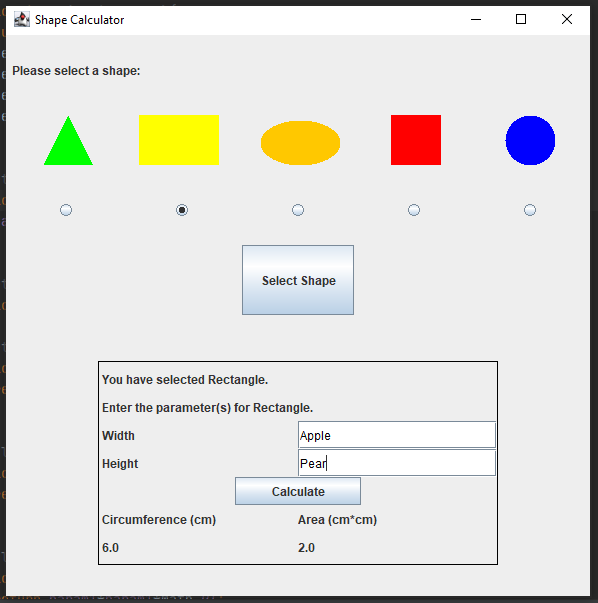


Figure : User inputting strings to both parameters for the rectangle

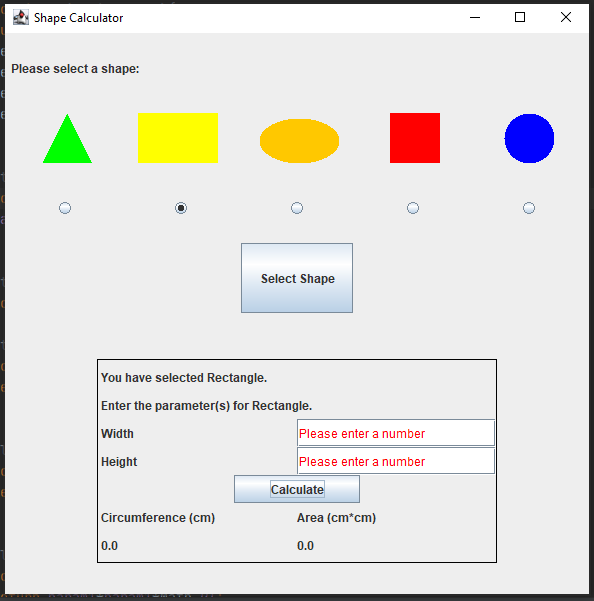


Figure : Program can detect the errors in the inputs and informs the user