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.

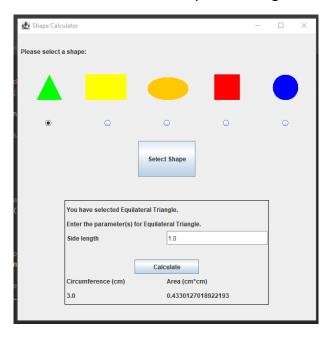


Figure 1: Correct side length parameter is shown for Equilateral triangle

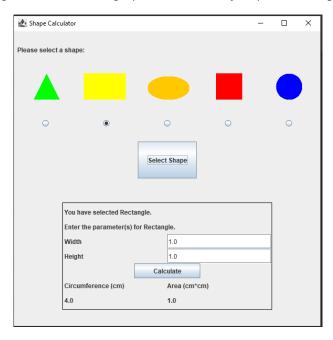


Figure 2: Correct height and width parameters are shown for the rectangle

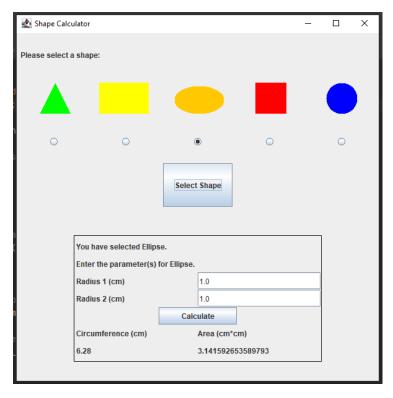


Figure 3: Parameters for the ellipse are shown after user selects the ellipse shape

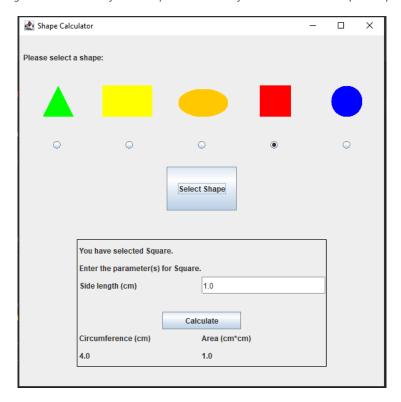


Figure 4: Correct parameter of side length for a square is shown

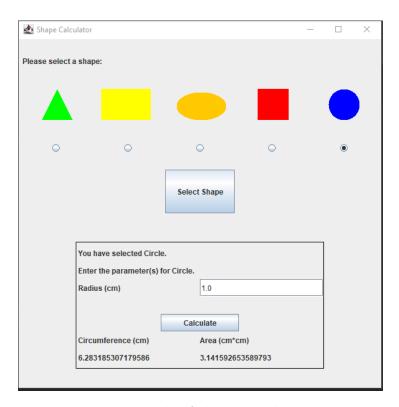


Figure 5: Circle default parameter shown

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

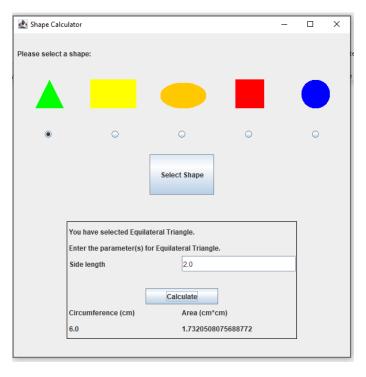


Figure 6: Triangle area and circumference recalculated with user inputs

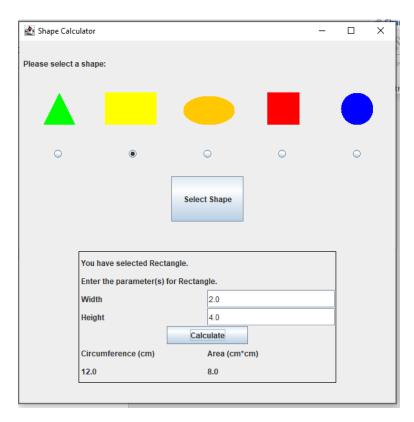


Figure 7: Rectangle area and circumference calculated based on user inputs

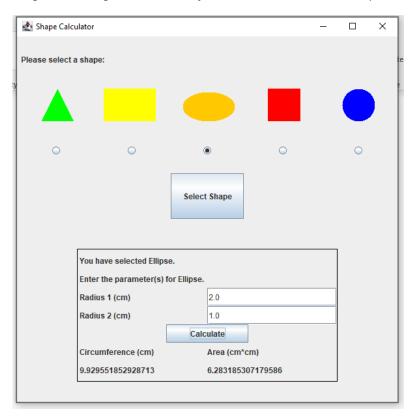


Figure 8: Ellipse recalculated area and circumference with user radii inputs

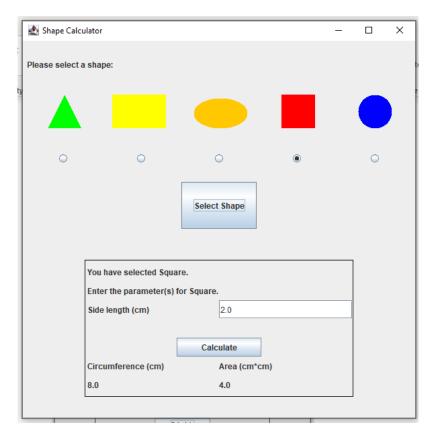


Figure 9: Square area and circumference using user inputted side length value

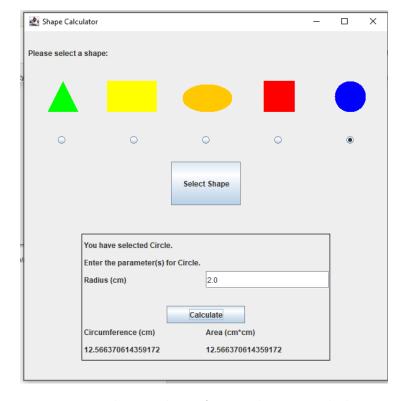


Figure 10: Circle area and circumference with user inputted values

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

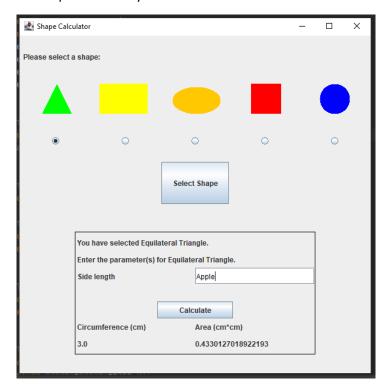


Figure 11: User about to calculate with string in input

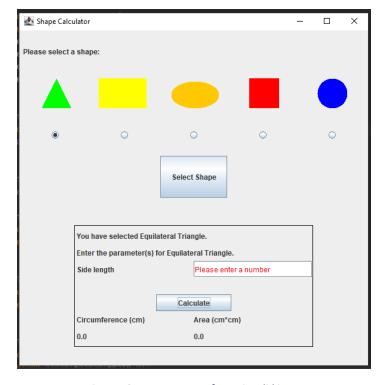


Figure 12: Error message for an invalid input

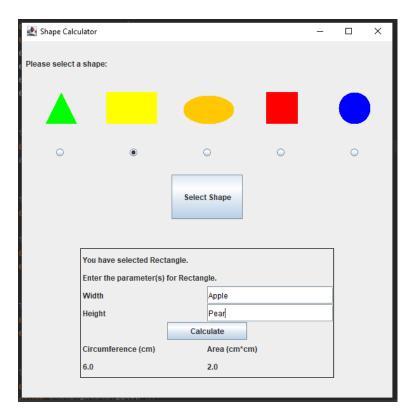


Figure 13: User inputting strings to both parameters for the rectangle

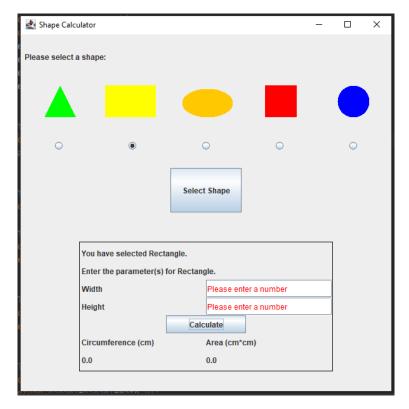


Figure 14: Program can detect the errors in the inputs and informs the user