```
1 <?xml version="1.0" encoding="UTF-8"?>
 2
 3 <?import java.net.URL?>
 4 <?import javafx.geometry.Insets?>
 5 <?import javafx.scene.control.Button?>
 6 <?import javafx.scene.control.Label?>
 7 <?import javafx.scene.control.TextField?>
 8 <?import javafx.scene.image.Image?>
9 < ?import javafx.scene.image.ImageView?>
10 <?import javafx.scene.layout.ColumnConstraints?>
11 <?import javafx.scene.layout.GridPane?>
12 <?import javafx.scene.layout.RowConstraints?>
13 <?import javafx.scene.layout.VBox?>
14
15 < GridPane hgap="10.0" maxHeight="-Infinity" maxWidth="-Infinity" minHeight="-
   Infinity" minWidth="-Infinity" prefHeight="243.0" prefWidth="254.0" vgap="10.0"
   xmlns="http://javafx.com/javafx/8.0.171" xmlns:fx="http://javafx.com/fxml/1"
   fx:controller="class12_javafx_ui.RectangleAreaController">
16
       <stylesheets>
17
           <URL value="@RectangleArea.css" />
18
       </stylesheets>
19
       <columnConstraints>
           <ColumnConstraints hgrow="SOMETIMES" maxWidth="153.0" minWidth="10.0"
20
   prefWidth="102.0" />
           <ColumnConstraints hgrow="SOMETIMES" maxWidth="173.0" minWidth="10.0"</pre>
21
   prefWidth="122.0" />
       </columnConstraints>
22
23
       <rowConstraints>
           <RowConstraints maxHeight="128.0" minHeight="10.0" prefHeight="49.0"</pre>
24
   vgrow="SOMETIMES" />
25
           <RowConstraints maxHeight="157.0" minHeight="10.0" prefHeight="52.0"</pre>
   vgrow="SOMETIMES" />
           <RowConstraints maxHeight="153.0" minHeight="10.0" prefHeight="37.0"</pre>
26
   vgrow="SOMETIMES" />
           <RowConstraints maxHeight="153.0" minHeight="10.0" prefHeight="81.0"</pre>
27
   vgrow="SOMETIMES" />
28
       </re>
29
       <children>
30
           <Label alignment="CENTER" prefHeight="17.0" prefWidth="133.0" text="Length"</pre>
   />
           <Label alignment="CENTER" prefHeight="17.0" prefWidth="128.0" text="Width"</pre>
31
   GridPane.rowIndex="1" />
           <TextField fx:id="txtLength" styleClass="input" GridPane.columnIndex="1" />
32
           <TextField fx:id="txtWidth" styleClass="input" GridPane.columnIndex="1"
33
   GridPane.rowIndex="1" />
34
           <Button fx:id="btnCalculate" mnemonicParsing="false"</pre>
   onAction="#btnCalculateClick" prefHeight="25.0" prefWidth="182.0" text="Calculate"
   GridPane.columnIndex="1" GridPane.rowIndex="2">
35
            <graphic>
36
               <ImageView fitHeight="20.0" fitWidth="20.0" pickOnBounds="true"</pre>
   preserveRatio="true">
                  <image>
37
38
                      <Image url="@calculator.png" />
39
                  </image>
               </ImageView>
40
41
            </graphic></Button>
42
           <Button fx:id="btnReset" mnemonicParsing="false" onAction="#btnResetClick"</pre>
   prefHeight="25.0" prefWidth="120.0" text="Reset" GridPane.rowIndex="2" />
43
           <VBox prefHeight="200.0" prefWidth="100.0" GridPane.rowIndex="3">
               <children>
44
```

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45
                    <Label alignment="CENTER" prefHeight="17.0" prefWidth="114.0"</pre>
  text="Perimeter" />
                    <TextField fx:id="txtPerimeterResult" editable="false" />
46
47
               </children>
48
           </VBox>
           <VBox prefHeight="200.0" prefWidth="100.0" GridPane.columnIndex="1"</pre>
49
  GridPane.rowIndex="3">
50
               <children>
                    <Label alignment="CENTER" prefHeight="17.0" prefWidth="177.0"</pre>
51
   text="Area" />
                    <TextField fx:id="txtAreaResult" editable="false" />
52
53
               </children>
54
           </VBox>
55
       </children>
       <opaqueInsets>
56
57
           <Insets />
58
       </opaqueInsets>
59
       <padding>
60
           <Insets left="10.0" right="10.0" />
61
       </padding>
62 </GridPane>
63
```