

```

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>
20         <ColumnConstraints hgrow="SOMETIMES" maxWidth="153.0" minWidth="10.0"
prefWidth="102.0" />
21         <ColumnConstraints hgrow="SOMETIMES" maxWidth="173.0" minWidth="10.0"
prefWidth="122.0" />
22     </columnConstraints>
23     <rowConstraints>
24         <RowConstraints maxHeight="128.0" minHeight="10.0" prefHeight="49.0"
vgrow="SOMETIMES" />
25         <RowConstraints maxHeight="157.0" minHeight="10.0" prefHeight="52.0"
vgrow="SOMETIMES" />
26         <RowConstraints maxHeight="153.0" minHeight="10.0" prefHeight="37.0"
vgrow="SOMETIMES" />
27         <RowConstraints maxHeight="153.0" minHeight="10.0" prefHeight="81.0"
vgrow="SOMETIMES" />
28     </rowConstraints>
29     <children>
30         <Label alignment="CENTER" prefHeight="17.0" prefWidth="133.0" text="Length"
/>
31         <Label alignment="CENTER" prefHeight="17.0" prefWidth="128.0" text="Width"
GridPane.rowIndex="1" />
32         <TextField fx:id="txtLength" styleClass="input" GridPane.columnIndex="1" />
33         <TextField fx:id="txtWidth" styleClass="input" GridPane.columnIndex="1"
GridPane.rowIndex="1" />
34         <Button fx:id="btnCalculate" mnemonicParsing="false"
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"
preserveRatio="true">
37                     <image>
38                         <Image url="@calculator.png" />
39                     </image>
40                 </ImageView>
41             </graphic></Button>
42         <Button fx:id="btnReset" mnemonicParsing="false" onAction="#btnResetClick"
prefHeight="25.0" prefWidth="120.0" text="Reset" GridPane.rowIndex="2" />
43         <VBox prefHeight="200.0" prefWidth="100.0" GridPane.rowIndex="3">
44             <children>

```

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