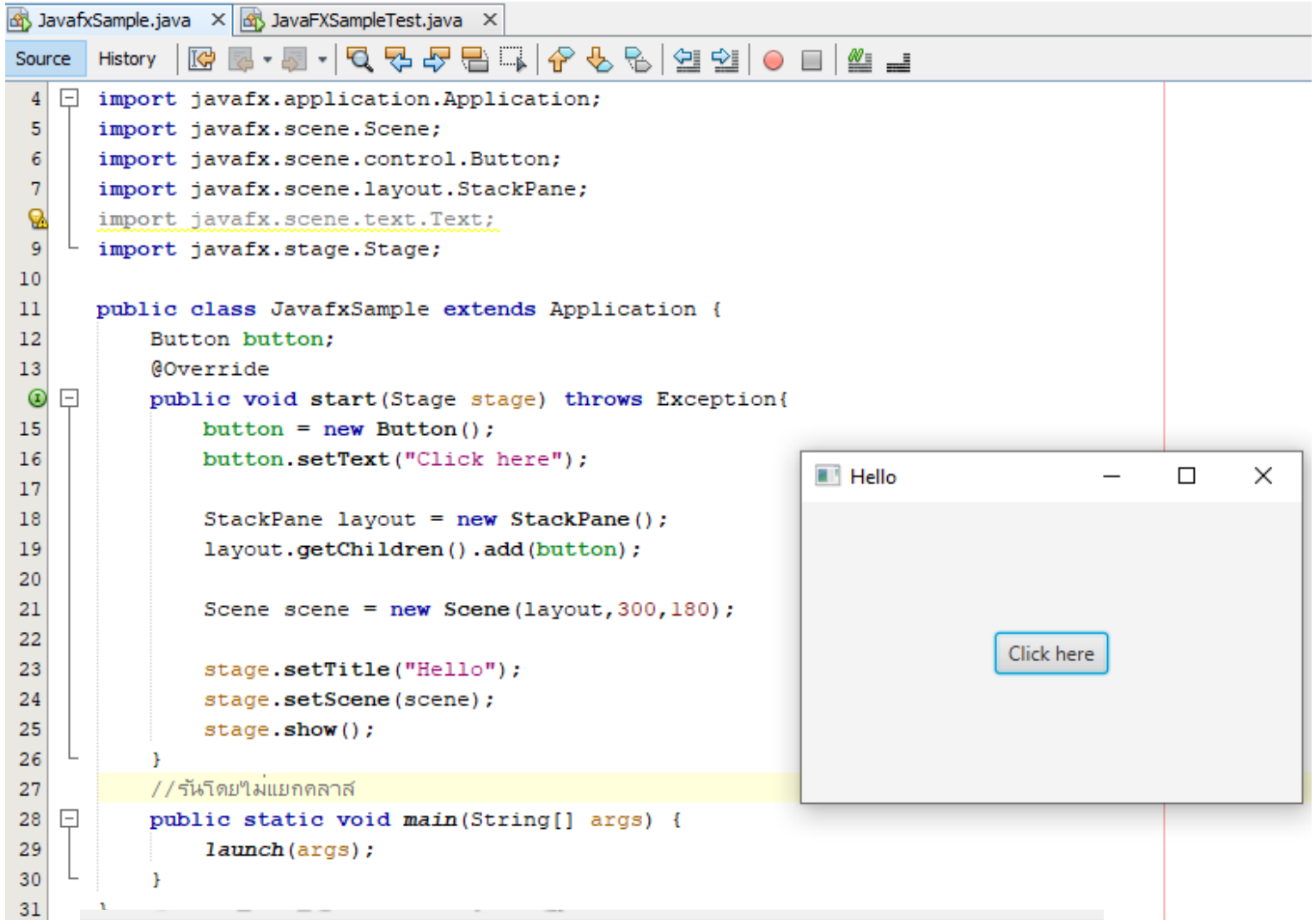
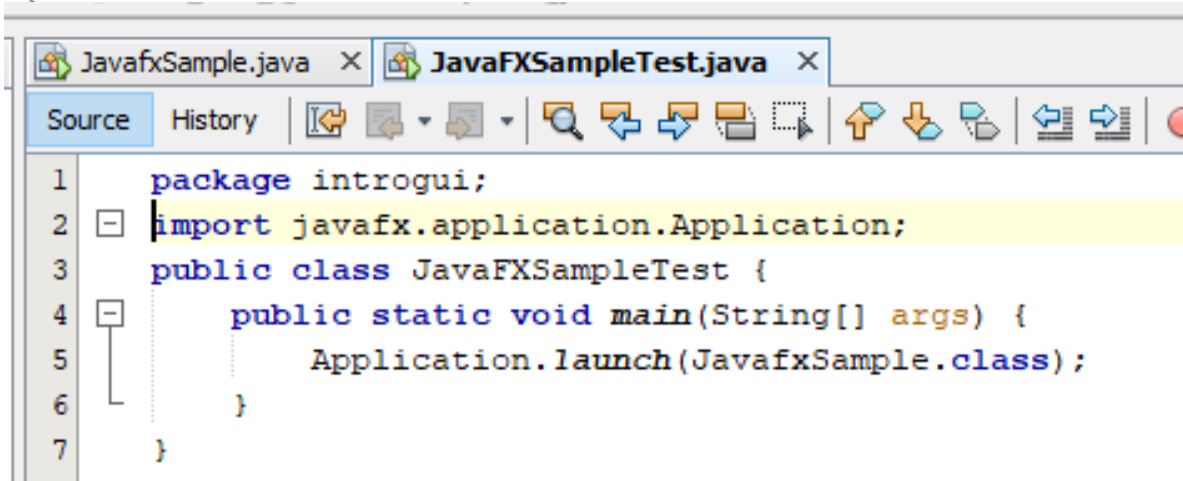


JavaFX Sample



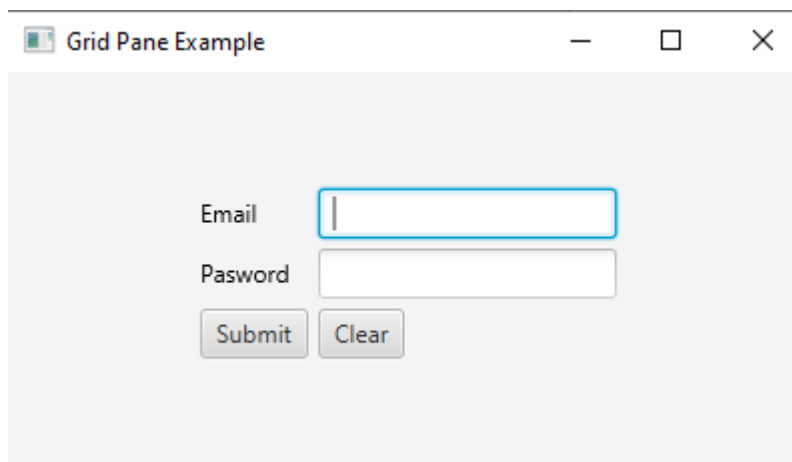
```
4 import javafx.application.Application;
5 import javafx.scene.Scene;
6 import javafx.scene.control.Button;
7 import javafx.scene.layout.StackPane;
8 import javafx.scene.text.Text;
9 import javafx.stage.Stage;
10
11 public class JavafxSample extends Application {
12     Button button;
13     @Override
14     public void start(Stage stage) throws Exception{
15         button = new Button();
16         button.setText("Click here");
17
18         StackPane layout = new StackPane();
19         layout.getChildren().add(button);
20
21         Scene scene = new Scene(layout,300,180);
22
23         stage.setTitle("Hello");
24         stage.setScene(scene);
25         stage.show();
26     }
27     //รันโดยไม่แยกคลาส
28     public static void main(String[] args) {
29         launch(args);
30     }
31 }
```



```
1 package introgui;
2 import javafx.application.Application;
3 public class JavaFXSampleTest {
4     public static void main(String[] args) {
5         Application.launch(JavafxSample.class);
6     }
7 }
```

GridPane

```
GridPaneExample.java x
Source History
1 package introgui;
2 import javafx.application.Application;
3 import javafx.geometry.Insets;
4 import javafx.geometry.Pos;
5 import javafx.scene.Scene;
6 import javafx.scene.control.Button;
7 import javafx.scene.layout.GridPane;
8 import javafx.scene.text.Text;
9 import javafx.scene.control.TextField;
10 import javafx.stage.Stage;
11
12 public class GridPaneExample extends Application {
13     @Override
14     public void start(Stage stage) {
15
16         Text text1 = new Text("Email");
17
18         Text text2 = new Text("Pasword");
19
20         TextField textField1 = new TextField();
21
22         TextField textField2 = new TextField();
23
24         Button button1 = new Button("Submit");
25         Button button2 = new Button("Clear");
26
27         GridPane gridPane = new GridPane();
28
29         gridPane.setMinSize(400, 200);
30
31         GridPane gridPane = new GridPane();
32
33         gridPane.setMinSize(400, 200);
34
35         gridPane.setPadding(new Insets(10, 10, 10, 10));
36
37         //Setting the vertical and horizontal gaps between the columns
38         gridPane.setVgap(5);
39         gridPane.setHgap(5);
40
41         gridPane.setAlignment(Pos.CENTER);
42
43         //Arranging all the nodes in the grid
44         gridPane.add(text1, 0, 0);
45         gridPane.add(textField1, 1, 0);
46         gridPane.add(text2, 0, 1);
47         gridPane.add(textField2, 1, 1);
48         gridPane.add(button1, 0, 2);
49         gridPane.add(button2, 1, 2);
50
51         Scene scene = new Scene(gridPane);
52
53         stage.setTitle("Grid Pane Example");
54
55         stage.setScene(scene);
56
57         stage.show();
58
59         ic static void main(String args[]){
60             launch(args);
61         }
62     }
63 }
```



GridPane Adv.

```
StudentInfoGUI.java x
Source History
1 package introgui;
2 import javafx.application.Application;
3 import javafx.geometry.Insets;
4 import javafx.geometry.Pos;
5 import javafx.scene.Scene;
6 import javafx.scene.control.Button;
7 import javafx.scene.control.ListView;
8 import javafx.scene.control.TextField;
9 import javafx.scene.input.MouseEvent;
10 import javafx.scene.layout.GridPane;
11 import javafx.scene.text.Text;
12 import javafx.stage.Stage;
13
14 public class StudentInfoGUI extends Application {
15
16     @Override
17     public void start(Stage window) throws Exception {
18         Button button = new Button("Submit");
19
20         Text txt_id = new Text("Student Id");
21         Text txt_name = new Text("Name");
22
23         TextField tf_id = new TextField();
24         TextField tf_name = new TextField();
25
26         //event mouse
27         EventHandler<MouseEvent> eventHandler = new EventHandler<MouseEvent>() {
28             @Override
29             public void handle(MouseEvent t) {
30                 System.out.println(tf_id.getText()+" : "+tf_name.getText());
31             }
32         };
33         button.addEventFilter(MouseEvent.MOUSE_PRESSED, eventHandler);
34
35         //event mouse
36         button.addEventFilter(
37             MouseEvent.MOUSE_PRESSED,
38             e->{
39                 System.out.println(tf_id.getText()+" : "+tf_name.getText());
40             }
41         );
42     }
43 }
```

```

//Listรายการ
ListView studentList = new ListView();
studentList.getItems().add("test1");
studentList.getItems().add("test2");

GridPane layout = new GridPane();
layout.setAlignment(Pos.CENTER);
layout.setHgap(5);
layout.setVgap(5);
layout.setPadding(new Insets(10, 10, 10, 10));

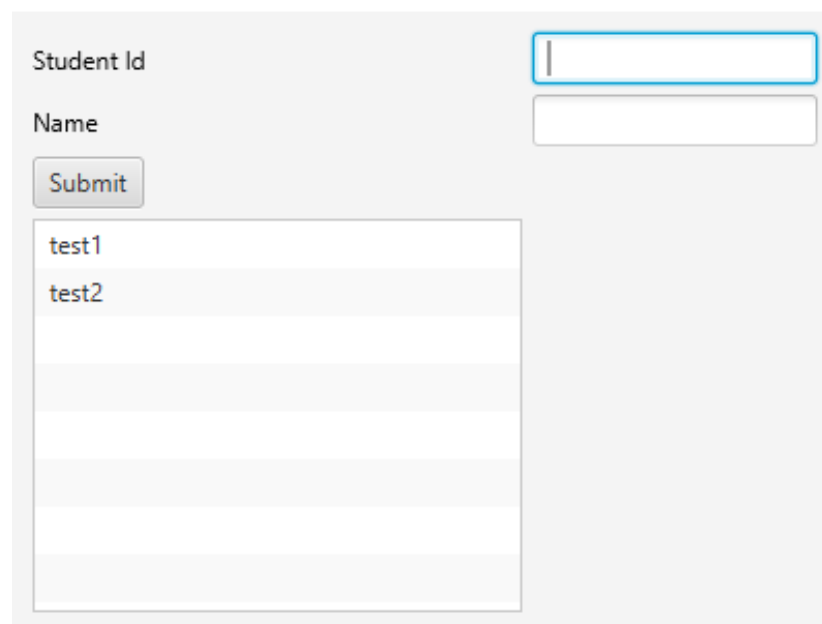
layout.add(txt_id, 0, 0);
layout.add(tf_id, 1, 0);
layout.add(txt_name, 0, 1);
layout.add(tf_name, 1, 1);
layout.add(button, 0, 2);
layout.add(studentList, 0, 3);

Scene scene = new Scene(layout, 400, 300);

window.setScene(scene);
window.show();
}

public static void main(String[] args) {
    launch(args);
}
}

```



Student Id

Name

Submit

test1

test2