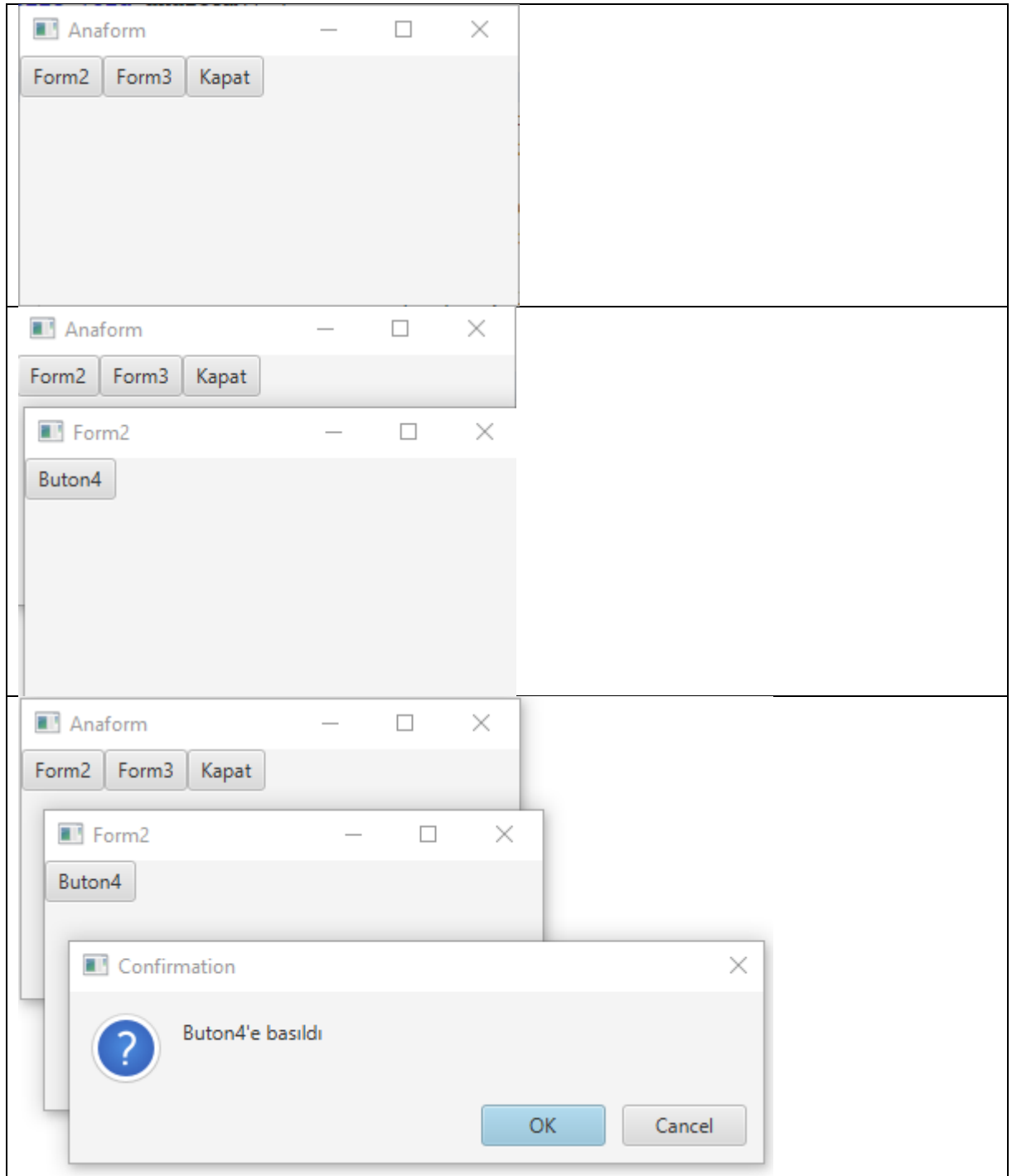
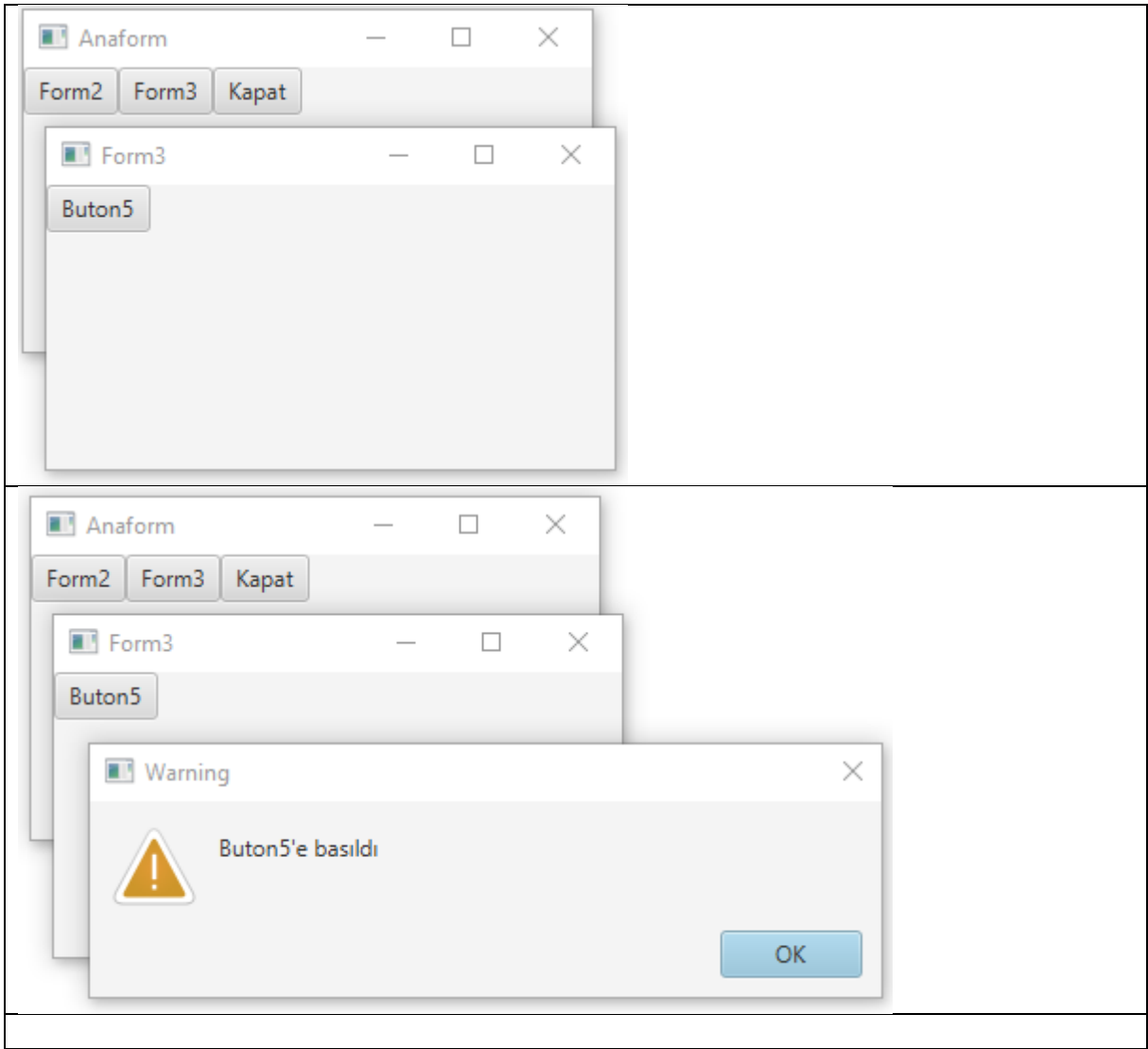


Two screenshots of a user login application interface are shown, illustrating the flow and error handling.

Top Screenshot: The 'Kullanıcı giriş ekranı' (User login screen) is displayed. It contains fields for 'Kullanıcı adı:' (Username) and 'Şifre:' (Password), and a 'Giriş yap' (Login) button.

Bottom Screenshot: The 'Kullanıcı giriş ekranı' is shown with the 'Kullanıcı adı:' field filled with 'hatalı kullanıcı adı' (Invalid username). An 'Error' dialog box is overlaid on the screen, displaying the message 'Hatalı veri girişi!' (Invalid data entry!) and an 'OK' button.





```
1 package com.mycompany.mavenproject2;
2
3 import javafx.application.Application;
4 import javafx.event.ActionEvent;
5 import javafx.event.EventHandler;
6 import javafx.scene.Scene;
7 import javafx.scene.control.Alert;
8 import javafx.scene.control.Alert.AlertType;
9 import javafx.scene.control.Button;
10 import javafx.scene.control.Label;
11 import javafx.scene.control.PasswordField;
12 import javafx.scene.control.TextField;
13 import javafx.scene.layout.GridPane;
14 import javafx.stage.Stage;
15
16 /**
17  * JavaFX App
18  */
```

```

19 public class App extends Application {
20
21     @Override
22     public void start(Stage stage) throws Exception {
23         stage.setTitle("Kullanıcı giriş ekranı");
24         GridPane bileşenYerleşim = new GridPane();
25         Label etiket1 = new Label("Kullanıcı adı:");
26         GridPane.setConstraints(etiket1, 0, 0);
27         TextField isim = new TextField();
28         GridPane.setConstraints(isim, 1, 0);
29         Label etiket2 = new Label("Şifre:");
30         GridPane.setConstraints(etiket2, 0, 1);
31         PasswordField sifre = new PasswordField();
32         sifre.setPromptText("Şifre giriniz");
33         GridPane.setConstraints(sifre, 1, 1);
34         Button dugme = new Button("Giriş yap");
35         GridPane.setConstraints(dugme, 1, 2);
36         dugme.setOnAction(e -> {
37             String kulBil = isim.getText();
38             String sifreBil = sifre.getText();
39             if (kulBil.equalsIgnoreCase("abc")
40                 && sifreBil.equalsIgnoreCase("123")) {
41                 stage.close();
42                 anaform();
43             } else {
44                 mesaj(AlertType.ERROR, "Hatalı veri girişi!");
45             }
46         });
47         bileşenYerleşim.getChildren().addAll(etiket1, isim, etiket2,
48             sifre, dugme);
49         Scene tasiyici = new Scene(bileşenYerleşim, 300, 150);
50         stage.setScene(tasiyici);
51         stage.show();
52     }
53
54     public void mesaj(AlertType AT, String msg) {
55         Alert mesajPenceresi = new Alert(AT);
56         mesajPenceresi.setHeaderText(null);
57         mesajPenceresi.setContentText(msg);
58         mesajPenceresi.showAndWait();
59     }
60

```

```

60
61     EventHandler<ActionEvent> btn1Clicked = (ActionEvent e) -> {
62         try {
63             Stage stage2 = new Stage();
64             stage2.setTitle("Form2");
65             GridPane bilesenYerlesim = new GridPane();
66             Button dugme4 = new Button("Buton4");
67             GridPane.setConstraints(dugme4, 0, 0);
68             dugme4.setOnAction(eh -> {
69                 mesaj(AlertType.CONFIRMATION, "Buton4'e basıldı");
70                 stage2.close();
71             });
72             bilesenYerlesim.getChildren().addAll(dugme4);
73             Scene tasiyici = new Scene(bilesenYerlesim, 300, 150);
74             stage2.setScene(tasiyici);
75             stage2.show();
76         } catch (Exception ex) {
77             System.out.println(ex.toString());
78         }
79     };

```

```

81     EventHandler<ActionEvent> btn2Clicked = (ActionEvent e) -> {
82         try {
83             Stage stage3 = new Stage();
84             stage3.setTitle("Form3");
85             GridPane bilesenYerlesim = new GridPane();
86             Button dugme5 = new Button("Buton5");
87             GridPane.setConstraints(dugme5, 0, 0);
88             dugme5.setOnAction(eh -> {
89                 mesaj(AlertType.WARNING, "Buton5'e basıldı");
90                 stage3.close();
91             });
92             bilesenYerlesim.getChildren().addAll(dugme5);
93             Scene tasiyici = new Scene(bilesenYerlesim, 300, 150);
94             stage3.setScene(tasiyici);
95             stage3.show();
96         } catch (Exception ex) {
97             System.out.println(ex.toString());
98         }
99     };

```

```

100
101 public void anaform() {
102     try {
103         Stage anastage = new Stage();
104         anastage.setTitle("Anaform");
105         GridPane bilesenYerlesim = new GridPane();
106         Button dugme1 = new Button("Form2");
107         dugme1.setOnAction(btn1Clicked);
108         GridPane.setConstraints(dugme1, 0, 0);
109         Button dugme2 = new Button("Form3");
110         dugme2.setOnAction(btn2Clicked);
111         GridPane.setConstraints(dugme2, 1, 0);
112         Button dugme3 = new Button("Kapat");
113         dugme3.setOnAction(e -> {
114             anastage.close();
115         });
116         GridPane.setConstraints(dugme3, 2, 0);
117         bilesenYerlesim.getChildren().addAll(dugme1, dugme2, dugme3);
118         Scene tasiyici = new Scene(bilesenYerlesim, 300, 150);
119         anastage.setScene(tasiyici);
120         anastage.show();
121     } catch (Exception e) {
122         System.out.println(e.toString());
123     }
124 }
125
126 public static void main(String[] args) {
127     launch(args);
128 }
129
130 }

```