

Mini_Project03

Topic: Write the project to store data from costumer that booking the hotel




- Main.java

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J Main.java X
C: > Users > ASUS > Desktop > Mini_Projects > MiniProject03 > J Main.java > ...
1  import javafx.application.Application;
2  import javafx.fxml.FXMLLoader;
3  import javafx.scene.Scene;
4  import javafx.scene.image.Image;
5  import javafx.stage.Stage;
6
7  public class Main extends Application {
8      public static void main(String[] args) {
9          launch(args);
10     }
11
12     @Override
13     public void start(Stage stage) throws Exception {
14
15         Scene scene = FXMLLoader.load(getClass().getResource("View.fxml"));
16         stage.setScene(scene);
17         stage.setTitle("Booking Hotel Room");
18         stage.show();
19     }
20 }
21 }
22 |
```

- View.fxml

Mini_Project03

Booking Hotel



Name

E-mail

Arrival Date

Room Type

Specail Requests

☐ Play Ground
☐ Swimming Pool
☐ Breakfast
☐ Sky Bar

Free Pick up

☐ Yes! Please pick me up
☐ No! thanks

Submit

Status

- ViewController.java

```
C: > Users > ASUS > Desktop > Mini_Projects > MiniProject03 > ViewController.java > ...
1  import java.io.FileWriter;
2  import java.io.IOException;
3  import java.net.URL;
4  import java.time.LocalDateTime;
5  import java.time.format.DateTimeFormatter;
6  import java.util.ResourceBundle;
7
8  import javafx.event.ActionEvent;
9  import javafx.fxml.FXML;
10 import javafx.fxml.Initializable;
11 import javafx.scene.control.Button;
12 import javafx.scene.control.CheckBox;
13 import javafx.scene.control.ChoiceBox;
14 import javafx.scene.control.DatePicker;
15 import javafx.scene.control.Label;
16 import javafx.scene.control.RadioButton;
17 import javafx.scene.control.TextField;
18 import javafx.scene.control.ToggleGroup;
19
20 public class ViewController implements Initializable {
21
22     @FXML
23     private Button button_submit;
24
25     @FXML
26     private CheckBox checkbox_breakfast;
27
28     @FXML
29     private CheckBox checkbox_playground;
30
31     @FXML
32     private CheckBox checkbox_skybar;
33
34     @FXML
35     private CheckBox checkbox_swimmingpool;
36
37     @FXML
38     private ChoiceBox<String> choicebox_roomtype;
39
40     @FXML
41     private DatePicker datepicker_arrivaldate;
42
43     @FXML
44     private ToggleGroup freepickup;
45
46     @FXML
47     private Label label_status;
48
49     @FXML
50     private RadioButton radiobutton_no;
51
52     @FXML
53     private RadioButton radiobutton_yes;
54
55     @FXML
56     private TextField textfield_email;
57
58     @FXML
59     private TextField textfield_name;
60
61     @Override
62     public void initialize(URL arg0, ResourceBundle arg1) {
63         // Initialize the choice box with room types
64         choicebox_roomtype.getItems().addAll("Single", "Double");
65
66
67
68     }
69
70     @FXML
71     void button_submit_action(ActionEvent event) {
72
73         String roomtype = choicebox_roomtype.getValue();
74
75         if(!textfield_name.getText().isEmpty() && !textfield_email.getText().isEmpty()
76         &&
```

```

77         datePicker_arrivaldate.getEditor().getText().isEmpty()
78         &&
79         ( !radiobutton_no.isSelected() || !radiobutton_yes.isSelected())
80         &&
81         (checkbox_breakfast.isSelected() || checkbox_playground.isSelected() || checkbox_breakfast.isSelected()
82         ||
83         checkbox_skybar.isSelected() || checkbox_swimmingpool.isSelected()))
84     {
85         String name = textfield_name.getText();
86         String email = textfield_email.getText();
87         String arrivalDate = datePicker_arrivaldate.getEditor().getText();
88
89         roomtype = "Room Type:";
90         if( choicebox_roomtype.getValue() == "Single") {
91             roomtype = "Room Type: Single";
92         }
93         else if( choicebox_roomtype.getValue() == "Double") {
94             roomtype = "Room Type: Double";
95         }
96         // Free Pickup
97         String freePickup = "Free Pickup: ";
98
99         if( radiobutton_yes.isSelected()) {
100             freePickup = "Free Pickup: Yes! please pick me up";
101         } else if (radiobutton_no.isSelected()) {
102             freePickup = "Free Pickup: No thanks";
103         }
104         // Special Requests
105         String requests = "Specail Requests: ";
106         if(checkbox_breakfast.isSelected()) {
107             requests = requests + "Breakfast ";
108         }
109         else if(checkbox_playground.isSelected()) {
110             requests = requests + "Playground, ";
111         }
112         else if(checkbox_skybar.isSelected()) {
113             requests = requests + "Skybar ";
114         }
115         else if(checkbox_swimmingpool.isSelected()) {
116             requests = requests + "Swimming Pool";
117         }
118         else if (checkbox_breakfast.isSelected() && checkbox_playground.isSelected()) {
119             requests = requests + "Breakfast, Playground ";
120         }
121         else if (checkbox_playground.isSelected() && checkbox_skybar.isSelected()) {
122             requests = requests + "Playground, Skybar ";
123         }
124         else if (checkbox_skybar.isSelected() && checkbox_swimmingpool.isSelected()) {
125             requests = requests + "Skybar, Swimming Pool ";
126         }
127         else if (checkbox_breakfast.isSelected() && checkbox_skybar.isSelected()) {
128             requests = requests + "Breakfast, Skybar ";
129         }
130         else if (checkbox_playground.isSelected() && checkbox_swimmingpool.isSelected()) {
131             requests = requests + "Playground, Swimming Pool ";
132         }
133         else if (checkbox_breakfast.isSelected() && checkbox_swimmingpool.isSelected()) {
134             requests = requests + "Breakfast, Swimming Pool ";
135         }
136         else if (checkbox_breakfast.isSelected() && checkbox_playground.isSelected() && checkbox_skybar.isSelected()) {
137             requests = requests + "Breakfast, Playground, Skybar ";
138         }
139         else if (checkbox_playground.isSelected() && checkbox_skybar.isSelected() && checkbox_swimmingpool.isSelected()) {
140             requests = requests + "Playground, Skybar, Swimming Pool ";
141         }
142         else if (checkbox_breakfast.isSelected() && checkbox_skybar.isSelected() && checkbox_swimmingpool.isSelected()) {
143             requests = requests + "Breakfast, Skybar, Swimming Pool ";
144         }
145         else if (checkbox_breakfast.isSelected() && checkbox_playground.isSelected() && checkbox_swimmingpool.isSelected()) {
146             requests = requests + "Breakfast, Playground, Swimming Pool ";
147         }
148         else if (checkbox_breakfast.isSelected() && checkbox_playground.isSelected() && checkbox_skybar.isSelected() && checkbox_swimmingpool.isSelected()) {
149             requests = requests + "Breakfast, Playground, Skybar, Swimming Pool ";
150         }
151         else {
152             requests = requests + "No special requests";
153         }
154         // Display the status message
155         String content = "Name: " + name + "\n" +
156             "Email: " + email + "\n" +
157             "Arrival Date: " + arrivalDate + "\n" +
158             roomtype + "\n" +
159             freePickup + "\n" +
160             requests;
161         String file_name = textfield_name.getText() + "_" + LocalDateTime.now().format(DateTimeFormatter.ofPattern(pattern:"yyyy_MM_dd_HH_mm_ss")) + ".txt";
162
163         try {
164             FileWriter fileWriter = new FileWriter(file_name);
165             fileWriter.write(content);
166             fileWriter.close();
167             label_status.setText("booking confirmed! Details saved to " + file_name);
168         } catch (IOException e) {
169             label_status.setText("Error saving booking details.");
170         }
171         label_status.setText("Thank you");
172         label_status.setStyle("-fx-text-fill: green;");
173
174     }
175     else {
176         label_status.setText("Please fill in all fields and select at least one option.");
177         label_status.setText("Please fill the blanks. 🚫");
178         label_status.setStyle("-fx-text-fill: red;");
179     }
180 }
181
182 }
183




```

- Output

Booking Hotel Room

Mini_Project03

Booking Hotel



Name

E-mail

Arrival Date

Room Type

Specail Requests

- ☐ Play Ground
- ☐ Swimming Pool
- ☐ Breakfast
- ☐ Sky Bar

Free Pick up




- ☐ Yes! Please pick me up
- ☐ No! thanks

Status

Booking Hotel Room

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Booking Hotel



Name

E-mail

Arrival Date

Room Type

Specail Requests

- ☐ Play Ground
- ☒ Swimming Pool
- ☐ Breakfast
- ☐ Sky Bar

Free Pick up




- ☒ Yes! Please pick me up
- ☐ No! thanks

Thank you

Booking Hotel Room

Mini_Project03

Booking Hotel



Name

E-mail

Arrival Date

Room Type

Specail Requests

- ☐ Play Ground
- ☒ Swimming Pool
- ☐ Breakfast
- ☐ Sky Bar

Free Pick up

- ☒ Yes! Please pick me up
- ☐ No! thanks

Please fill the blanks.

```
Sithoun_2025_05_05_10_25_07.txt X
MiniProject03 > Sithoun_2025_05_05_10_25_07.txt
1 Name: Sithoun
2 Email: Sithuon@gmail.com
3 Arrival Date: 5/14/2025
4 Room Type: Double
5 Free Pickup: Yes! please pick me up
6 Specail Requests: Swimming Pool
```