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import java.awt.*;
import java.awt.event.*;
import java.util.ArrayList;

public class AirlineReservationSystem extends Frame implements ActionListener {
    private TextField nameField, flightField, departureField, destinationField;
    private TextArea displayArea;
    private Button bookButton, viewButton;

    private ArrayList<String> reservations;

    public AirlineReservationSystem() {
        // Initialize the frame
        setTitle("Airline Reservation System");
        setSize(500, 400);
        setLayout(new FlowLayout());

        // Initialize components
        Label nameLabel = new Label("Name:");
        nameField = new TextField(20);

        Label flightLabel = new Label("Flight Number:");
        flightField = new TextField(20);

        Label departureLabel = new Label("Departure Place:");
        departureField = new TextField(20);

        Label destinationLabel = new Label("Destination Place:");
        destinationField = new TextField(20);

        bookButton = new Button("Book Flight");
        viewButton = new Button("View Reservations");

        displayArea = new TextArea(10, 40);
        displayArea.setEditable(false);

        // Add components to the frame
        add(nameLabel);
        add(nameField);
        add(flightLabel);
        add(flightField);
        add(departureLabel);
        add(departureField);
        add(destinationLabel);
        add(destinationField);
        add(bookButton);
        add(viewButton);
        add(displayArea);
    }
}

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// Add action listeners
bookButton.addActionListener(this);
viewButton.addActionListener(this);

// Initialize the reservations list
reservations = new ArrayList<>();

// Add window listener
addWindowListener(new WindowAdapter() {
    public void windowClosing(WindowEvent we) {
        System.exit(0);
    }
});

// Set visibility
setVisible(true);
}

@Override
public void actionPerformed(ActionEvent e) {
    if (e.getSource() == bookButton) {
        String name = nameField.getText();
        String flight = flightField.getText();
        String departure = departureField.getText();
        String destination = destinationField.getText();
        if (!name.isEmpty() && !flight.isEmpty() && !departure.isEmpty() &&
!destination.isEmpty()) {
            String reservation = "Name: " + name + ", Flight: " + flight +
                ", From: " + departure + ", To: " + destination;
            reservations.add(reservation);
            displayArea.append("Flight booked for " + name + " on flight " + flight +
                " from " + departure + " to " + destination + "\n");
            nameField.setText("");
            flightField.setText("");
            departureField.setText("");
            destinationField.setText("");
        } else {
            displayArea.append("Please fill all fields.\n");
        }
    } else if (e.getSource() == viewButton) {
        displayArea.setText(""); // Clear previous display
        if (reservations.isEmpty()) {
            displayArea.append("No reservations found.\n");
        } else {
            displayArea.append("Current Reservations:\n");
            for (String reservation : reservations) {
                displayArea.append(reservation + "\n");
            }
        }
    }
}

```

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    }  
    }  
}  
  
public static void main(String[] args) {  
    new AirlineReservationSystem();  
}  
}
```