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import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.util.HashMap;

public class AI5 {
    public AI5() {
        JFrame frame = new JFrame("Chatbot");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setSize(400, 500);
        frame.setLayout(new BorderLayout());

        JTextArea chatArea = new JTextArea();
        chatArea.setEditable(false);
        chatArea.setLineWrap(true);
        chatArea.setWrapStyleWord(true);

        HashMap<String , String> responses = new HashMap<>();
        responses.put("hi", "Hello! How can I assist you today?");
        responses.put("what is the capital of india?", "Capital of India is Delhi");
        responses.put("how many dance forms of india are?", "There are 8 classical danceforms.");
        responses.put("address of mmcoe", "Behind Vandevi Temple, Karve Nagar, Pune.");
        responses.put("first indian female doctor", "Dr. Anandibai Gopal.");
        responses.put("default", "I'm sorry, I don't understand that. Could you try asking something else?");

        JTextField userInput = new JTextField();
        JButton sendButton = new JButton("Send");

        JScrollPane scrollPane = new JScrollPane(chatArea);

        JPanel inputPanel = new JPanel();
        inputPanel.setLayout(new BorderLayout());
        inputPanel.add(userInput, BorderLayout.CENTER);
        inputPanel.add(sendButton, BorderLayout.EAST);

        frame.add(scrollPane, BorderLayout.CENTER);
        frame.add(inputPanel, BorderLayout.SOUTH);

        sendButton.addActionListener(new ActionListener() {
            @Override
            public void actionPerformed(ActionEvent e) {
                String userText = userInput.getText().trim().toLowerCase();
                if (!userText.isEmpty()) {

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        chatArea.append("You: " + userInput.getText() + "\n");
        String botResponse = responses.getDefault(userText, responses.get("default"));
        chatArea.append("Bot: " + botResponse + "\n");
        userInput.setText("");
    }
}
});

userInput.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        sendButton.doClick();
    }
});

frame.setVisible(true);
}
public static void main(String[] args) {
    SwingUtilities.invokeLater(AI5::new);
}
}

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