AI CHAT BOT

import javax.swing.\*;  
import java.awt.\*;  
import java.awt.event.\*;  
import java.util.HashMap;  
import java.util.Map;  
  
public class ChatbotGUI extends JFrame {  
  
 private JTextArea chatArea;  
 private JTextField inputField;  
 private Map<String, String> responses;  
 private Image background;  
  
 public ChatbotGUI() {  
 setTitle("💗 G I R L I S H C H A T B O T");  
 setSize(600, 600);  
 setLocationRelativeTo(null);  
 setDefaultCloseOperation(*EXIT\_ON\_CLOSE*);  
  
 // Load background image  
 background = new ImageIcon(getClass().getResource("background.jpg")).getImage();  
  
 // Panel with background image  
 JPanel mainPanel = new JPanel() {  
 protected void paintComponent(Graphics g) {  
 super.paintComponent(g);  
 g.drawImage(background, 0, 0, getWidth(), getHeight(), this);  
 }  
 };  
 mainPanel.setLayout(new BorderLayout(10, 10));  
 setContentPane(mainPanel);  
  
 // Chat display area  
 chatArea = new JTextArea();  
 chatArea.setOpaque(false);  
 chatArea.setForeground(new Color(170, 0, 100));  
 chatArea.setFont(new Font("Dialog", Font.*PLAIN*, 16)); // Supports emojis/emoticons  
 chatArea.setLineWrap(true);  
 chatArea.setWrapStyleWord(true);  
 chatArea.setEditable(false);  
  
 JScrollPane scrollPane = new JScrollPane(chatArea);  
 scrollPane.setOpaque(false);  
 scrollPane.getViewport().setOpaque(false);  
 scrollPane.setBorder(BorderFactory.*createEmptyBorder*(10, 10, 10, 10));  
  
 // Input field  
 inputField = new JTextField();  
 inputField.setFont(new Font("Dialog", Font.*PLAIN*, 16));  
 inputField.setBackground(new Color(255, 220, 235));  
 inputField.setForeground(new Color(90, 0, 70));  
 inputField.setBorder(BorderFactory.*createEmptyBorder*(10, 10, 10, 10));  
  
 inputField.addActionListener(e -> {  
 String userInput = inputField.getText().trim();  
 if (!userInput.isEmpty()) {  
 chatArea.append("You: " + userInput + "\n");  
 respond(userInput.toLowerCase());  
 inputField.setText("");  
 }  
 });  
  
 // Predefined cute responses  
 responses = new HashMap<>();  
 responses.put("hello", "Hey lovely! (✿ ♡‿♡) What can I do for you?");  
 responses.put("hi", "Hii cutie! (◍•ᴗ•◍)❤");  
 responses.put("how are you", "I'm feeling fab! ✧(⁠｡⁠•̀⁠ᴗ⁠-⁠)✧");  
 responses.put("cute", "Aww you're the cutest! (⁠つ⁠≧⁠▽⁠≦⁠)⁠つ");  
 responses.put("cry", "Nooo don’t cry… ༎ຶ⁠‿⁠༎ຶ Here, a hug!");  
 responses.put("bye", "Byee byee! (⁠◔⁠‿⁠◔⁠)♡ Come back soon!");  
 responses.put("thank you", "You're welcome, sparkle friend! ✿(◕‿◕✿)");  
 responses.put("your name", "I'm your sparkle chatbot bestie! ◉‿◉");  
 responses.put("help", "Say things like 'hello', 'how are you', 'cute', or 'cry'.");  
  
 // Add components  
 mainPanel.add(scrollPane, BorderLayout.*CENTER*);  
 mainPanel.add(inputField, BorderLayout.*SOUTH*);  
  
 // Welcome message  
 chatArea.append("Bot: Welcome to the Sparkle Chat! (✿◠‿◠)\n");  
 chatArea.append("Bot: Say things like 'hello', 'how are you', 'cute', or 'cry'.\n\n");  
  
 setVisible(true);  
 }  
  
 private void respond(String input) {  
 boolean found = false;  
 for (Map.Entry<String, String> entry : responses.entrySet()) {  
 if (input.contains(entry.getKey())) {  
 chatArea.append("Bot: " + entry.getValue() + "\n\n");  
 found = true;  
 break;  
 }  
 }  
 if (!found) {  
 chatArea.append("Bot: Hmm... I'm not sure what that means, cutie (｡ŏ﹏ŏ). Try 'help'.\n\n");  
 }  
 chatArea.setCaretPosition(chatArea.getDocument().getLength());  
 }  
  
 public static void main(String[] args) {  
 SwingUtilities.*invokeLater*(ChatbotGUI::new);  
 }  
}

OUTPUT :

