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github link https://github.com/Phiri-Isaac/AssignmentSecurityChatBot  
  
  
my code  
  
using System;

using System.IO;

using System.Threading;

class Program

{

static void Main(string[] args)

{

Console.Title = "I-S-A-A-C - Your Security Awareness Assistant"; //Program name

Console.ForegroundColor = ConsoleColor.Cyan;

PlayVoiceGreeting(); // ✅ Play WAV file using PowerShell

ShowAsciiLogo();

ShowWelcomeMessage();

string userName = GetUserName();

GreetUser(userName);

StartChatLoop(userName);

}

//\*\*\*\* AUDIO GREETING USING POWERSHELL \*\*\*\*//

static void PlayVoiceGreeting()

{

try

{

string audioPath = @"C:\Users\isaac\OneDrive\Desktop\SecurityChatBot\SecurityChatBot\bin\Debug\net8.0\Voice 3.wav";

if (File.Exists(audioPath))

{

var psi = new System.Diagnostics.ProcessStartInfo

{

FileName = "powershell",

Arguments = $"-c (New-Object Media.SoundPlayer '{audioPath}').PlaySync();",

UseShellExecute = false,

CreateNoWindow = true

};

System.Diagnostics.Process.Start(psi)?.WaitForExit();

}

else

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("Audio file not found at: " + audioPath);

Console.ResetColor();

}

}

catch (Exception ex)

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("Error playing audio: " + ex.Message);

Console.ResetColor();

}

}

//\*\*\*\* ASCII LOGO \*\*\*\*//

static void ShowAsciiLogo()

{

Console.ForegroundColor = ConsoleColor.Blue;

Console.WriteLine(@"

\_\_\_ \_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_ \_\_\_ \_\_\_

|\_ \_/ \_ \|\_ /|\_ / / \_ \ / \_ \ / \_ \

| | | | |/ / / / | (\_) | (\_) | (\_) |

|\_\_\_\\_\_\_//\_\_\_|/\_\_\_| \\_\_\_/ \\_\_\_/ \\_\_\_/

");

Console.ResetColor();

Thread.Sleep(800);

}

//\*\*\*\* WELCOME SECTION \*\*\*\*//

static void ShowWelcomeMessage()

{

Console.ForegroundColor = ConsoleColor.Cyan;

Console.WriteLine("===========================================");

Console.WriteLine("|| WELCOME TO I-S-A-A-C TERMINAL ||");

Console.WriteLine("===========================================\n");

Console.ResetColor();

}

//\*\*\*\* USER INPUT: NAME \*\*\*\*//

static string GetUserName()

{

string name = "";

while (string.IsNullOrWhiteSpace(name))

{

Console.Write("Please enter your name or nickname you would like me to call you: ");

name = Console.ReadLine();

if (string.IsNullOrWhiteSpace(name))

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("Name cannot be empty.\n");

Console.ResetColor();

}

}

return name;

}

//\*\*\*\* PERSONALIZED GREETING + BOT INTRO \*\*\*\*//

static void GreetUser(string userName)

{

Console.ForegroundColor = ConsoleColor.Green;

Console.WriteLine($"\nHello {userName}, I’m I-S-A-A-C — your cybersecurity assistant.\n");

Console.ResetColor();

Thread.Sleep(500);

Console.ForegroundColor = ConsoleColor.Magenta;

SimulateTyping("My name is I-S-A-A-C, which stands for:");

Thread.Sleep(300);

SimulateTyping("I – Inform");

SimulateTyping("S – Secure");

SimulateTyping("A – Alert");

SimulateTyping("A – Analyze");

SimulateTyping("C – Control\n");

Console.ResetColor();

SimulateTyping("Ask me about phishing, passwords, safe browsing, or just chat!\n");

}

//\*\*\*\* CHAT LOOP \*\*\*\*//

static void StartChatLoop(string userName)

{

while (true)

{

Console.ForegroundColor = ConsoleColor.Yellow;

Console.Write($"{userName}: ");

Console.ResetColor();

string input = Console.ReadLine().ToLower();

if (string.IsNullOrWhiteSpace(input))

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("Please enter something. I didn’t catch that.\n");

Console.ResetColor();

continue;

}

Console.ForegroundColor = ConsoleColor.Cyan;

Console.Write("I-S-A-A-C: ");

Console.ResetColor();

// Keyword-based chatbot replies

if (input.Contains("how are you"))

{

SimulateTyping("I'm pretty good could be better but atleast I'm always on the lookout for cyber threats!");

}

else if (input.Contains("your purpose"))

{

SimulateTyping("My Job is to educate and help you through online safety practices.");

}

else if (input.Contains("password"))

{

SimulateTyping("Be creative and use strong passwords: 8+ characters, with a combination of letters, numbers, and symbols.");

}

else if (input.Contains("phishing"))

{

SimulateTyping("Phishing is when attackers trick you into giving up info. Always make sure emails are from legit people or company");

}

else if (input.Contains("safe browsing"))

{

SimulateTyping("Stick to secure sites (HTTPS), avoid shady links, and don’t download untrusted files, because they lead to unwanted viruses.");

}

else if (input.Contains("exit") || input.Contains("bye"))

{

SimulateTyping("See you, Stay sharp and safe online.");

break;

}

else

{

SimulateTyping("Hmm... I didn’t quite understand that. Could you rephrase?");

}

Console.WriteLine(); // Add spacing

}

}

//\*\*\*\* TYPING EFFECT FOR REPLIES \*\*\*\*//

static void SimulateTyping(string message)

{

foreach (char c in message)

{

Console.Write(c);

Thread.Sleep(25);

}

Console.WriteLine();

}

}