

.NET DELIVERABLE 2: Chat Bot

Disclaimer: A large part of being a developer is researching and understanding new mechanics and concepts of coding. Every developer, even a seasoned veteran, needs to look up and research coding concepts.

Here are a few hints:

- For any language, Google and Stack Overflow will be your go-to sites for learning about code
- Google is good at answering common questions
- Google is also great for finding examples of basic syntax (i.e., conditionals, loops, variables, etc.) Example: Search C# Loops or C# if statements.
- Stack Overflow is a good place to learn more about errors and exceptions
- Make sure you understand any code snippets you find before including them in your projects. In short, copy/paste responsibly.
- REPL (<https://repl.it/>) or .NET Fiddle (<https://dotnetfiddle.net/>) are great places to tinker with and break new code in isolation before you add it into your project, but you should finish your project in Visual Studio.
- You will need to problem solve, any code you find online, you will likely need to repurpose to fit into your project.
- If you can't follow an explanation or a code snippet you found off Google after around 5 minutes, move onto another link, that's perfectly normal not every dev thinks the same way
- Seeing a different take on a topic is always good and can lead to learning new tricks or nuances to your code, this happens *all* the time for seasoned devs (I annoy my coworkers anytime I discover something cool)
- Turn in this deliverable by creating a Git repo of the Visual Studio project folder and pushing it to GitHub, using what you learned in the Version Control portion of Unit 1. Paste the link to your **public** GitHub repo into the submission spot in the LMS.

Deliverable 2 Task: Write a program that allows the user to carry on basic conversation with a chat bot. The app will ask the user what they wish to say to the bot. The bot will respond appropriately based upon the following table:

Input	Bot Response
hello	Hi good to see you
bye	Good bye!
sup	I am good
hello there	General Kenobi

Once the app has printed the bot's response, ask the user to say something else to the bot. Keep looping until the user says bye. When the user says bye, respond and end the program.

Additionally, add in the following features:

- So you don't have to check for upper and lower case strings, find a way to make your input string all lowercase. (BYE, byE, Bye, bye, and bYE should all get the same response, for instance)
- If the user enters the same input twice in a row, have the bot respond **"I'm sorry but you have already said that"**

Rubric (10 points total):

- 1pt for asking the user what they want to say to the bot
- 1pt for getting user input
- 1pt for setting the user input to lowercase
- 1pt for responding to hello input correctly
- 1pt for responding to bye input correctly
- 1pt for responding to sup input correctly
- 1pt for responding to hello there input correctly
- 1pt for repeating asking for input after printing the bot's response (unless the user said bye)
- 1pt for ending the program when the user says bye
- 1pt for printing **"I'm sorry but you have already said that"** if the user enters the same input twice in a row

Grading Scale: 8 or above: Passing
 Below 8: Not Passing