# **CHATGPT CHEAT SHEET (DEV EDITION)**

# Writing Code

- 1. Write a C# function to do {{ TASK }}
- 2. Write a React component to do {{ TASK }}
- 3. Write a Dockerfile for {{ FRAMEWORK }}
- 4. Write a RegEx pattern for {{ REQUEST }}
- 5. Create a C# class from this JSON object {{ JSON }}

### Examples

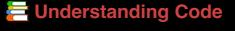
- 1. Write a C# method to get items from a DB and print them. Leave TODO comments where you are unsure E.g. Data connections
- 2. For my .NET project, write a GitHub Action to check PRs. It should run the tests and lint the code

# 🛼 Debugging / Testing

- 1. I wrote this code {{ CODE }} I got this error {{ ERROR }} How can I fix it? or What does this error mean?
- 2. Write a test that ensures {{ FUNCTIONALITY }} works for this component {{ CODE }}
- 3. Write a test for this method {{ CODE }}
- 4. I am doing exploratory testing, tell me how to break this code {{ CODE }}

# Examples

- 1. How can I set up unit tests for a Blazor project? I want to use bUnit.
- 2. What does this error mean? System.ArgumentOutOfRangeException: Index was out of range.



- 1. What does this code do? {{ CODE }}
- 2. Explain the purpose of this {{ LANGUAGE }} function **{{FUNCTION}}**
- 3. What is the differences between {{ CONCEPT }} and {{ CONCEPT }} in {{ LANGUAGE }}
- 4. What does {{ KEYWORD, OPERATOR, ETC }} do in {{LANGUAGE}}?
- 5. What libraries can do {{ REQUIREMENTS }} for **{{ LANGUAGE }}**
- 6. What language/framework is best for this idea? **{{ IDEA }}**

#### Examples

- 1. Can a Dictionary become out of order in C#?
- 2. What does "static" do in C#?
- 3. Explain the lifecycle events of Blazor components.
- 4. What is the difference between Lists and Arrays in C#?
- 5. What is a library that can render Markdown for a Blazor project?

# **Documenting Code**

- 1. Write a readme file for this project **{{ DESCRIBE PROJECT }}**
- 2. Write the Mermaid code for an entity relationship diagram for these classes {{ INSERT CLASSES }}
- 3. Write the Mermaid code for an architecture diagram for this solution {{ DESCRIBE SOLUTION }}
- 4. Add some comments in this code {{ CODE }}
- 5. For this {{ CODE }}, add comment for each step, explaining its purpose

### Examples

1. Write instructions for running a .NET project to add to the README



# Refactoring Code

- 1. Refactor this code into multiple methods {{ CODE }}
- 2. How can I refactor this code for better performance? **{{ CODE }}**
- 3. How can I refactor this code for better readability? **{{ CODE }}**
- 4. Add a parameter to this function to do {{ FUNCTIONALITY }} {{ CODE }}
- 5. Convert this callback-based function to use Promises {{ CODE }}
- 6. Rewrite this JS code in C# {{ JS CODE }}
- 7. Add a parameter to this function to do {{ CODE }}
- 8. Make this code use .NET 8 features {{ CODE }}



## Code Review

- 1. How can I improve the error handling in my {{ LANGUAGE }} code? {{ CODE }}
- 2. Are there any opportunities for code reuse or modularization in my {{ LANGUAGE }} project? **{{ CODE }}**
- 3. Can you review this code and suggest improvements? {{ CODE }}



- 1. If you are generating lots of code and it doesn't finish, type "continue"
- 2. Give more context, get better results
- 3. When asking for explanations, add "keep it short and
- 4. When refactoring code, ask it to omit unchanged code to make responses easier to read



