Supercharge Java Development with GitHub Copilot Custom Instructions in IntelliJ!

Here's a **step-by-step guide** for setting up **GitHub Copilot Custom Instructions** to tailor your Java code generation preferences.

Objective

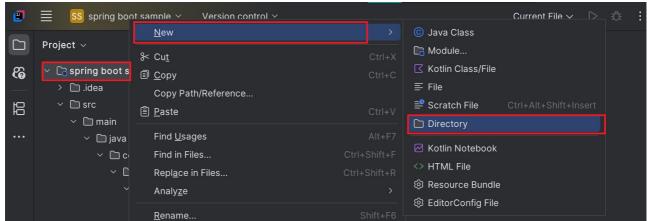
Ensure GitHub Copilot:

- 1. Adds @Override to all overridden methods.
- 2. Initializes loggers using LoggerFactory.getLogger.
- 3. Adds Javadoc, constructor, getter/setter methods by default.

Steps to Set Up Copilot Custom Instructions for Java

Step 1: Create .github Directory

- Navigate to the **root directory** of your project.
- **Right-click** on the root folder in the Project Explorer.
- Select New → Directory from the context menu.



• Enter the folder name as:

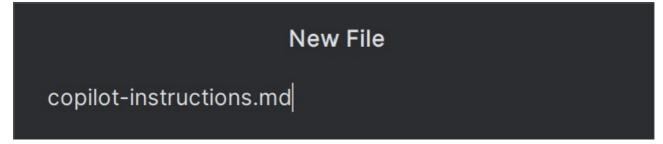
Note: "." in the name is treated as a regular character. Use "/" instead if you mean to create nested directories

.github

⚠ Make sure to include the dot (.) at the beginning. This makes it a hidden directory in Unix-like systems.

Step 2: Create copilot-instructions.md File

Inside .github, create a file:

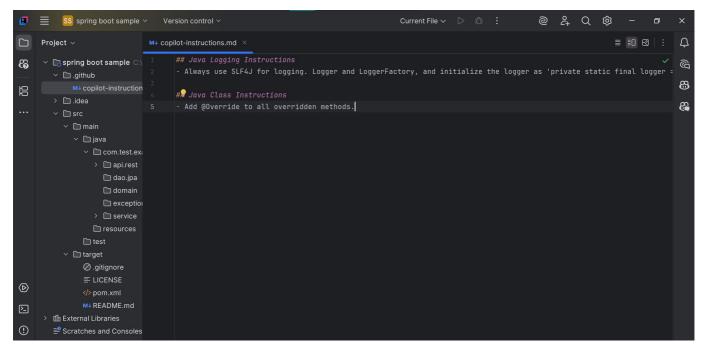


Step 3: Add Your Custom Instructions

Paste the following content inside the copilot-instructions.md file:

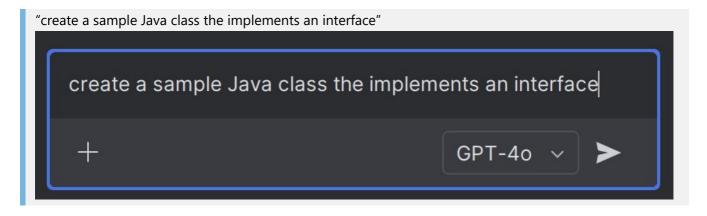
```
**Java Logging Instructions**
- Always use SLF4J for logging. Logger and LoggerFactory, and initialize the logger as 'private static final logger = LoggerFactory.getLogger(ClassName.class);'.

**Java Class Instructions**
- Add @Override to all overridden methods.
```

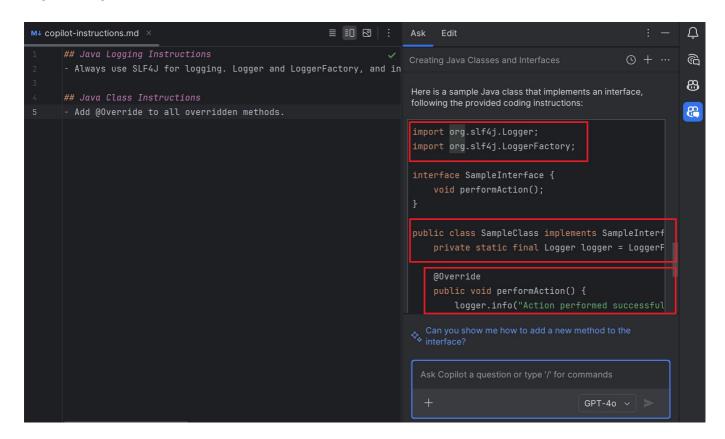


Example Prompt:

Ask Copilot in your IDE:



Copilot Output:



Java Class Instructions

Java Class Instructions

Whenever generating a new Java Class:

- Add JavaDoc for every class and method.
- Include a private logger using SLF4J.
- Add a constructor initializing all fields.
- Use Lombok for getters/setters where possible.
- Make code clean, readable, and follow Java best practices.
- Add `@Override` to all overridden methods.

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- Add @Override to all overridden methods.

Step 4: Use GitHub Copilot With These Instructions

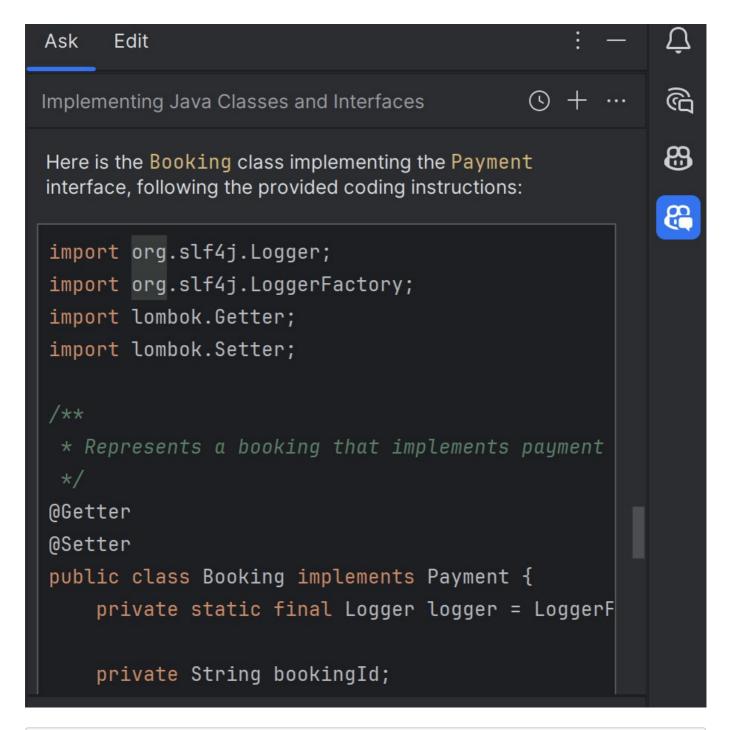
You don't need to reference the file manually every time. Once it's in the project, GitHub Copilot uses it automatically as context.

Example Prompt:

Ask Copilot in your IDE:

"Create a Java class named Booking that implements a Payment interface."

Copilot Output:



```
import org.slf4j.LoggerFactory;
import lombok.Getter;
import lombok.Setter;

/**
    * Represents a booking that implements payment functionality.
    */
@Getter
@Setter
public class Booking implements Payment {
    private static final Logger logger = LoggerFactory.getLogger(Booking.class);
    private String bookingId;
    private double amount;
```