Demo: Generating Documentation using GitHub Copilot

Prerequsitites

- VS Code
- GitHub Copilot extension for VS Code
- GitHub Copilot subscription
- NodeJS 18 or later
- Book API project

Generate documentation for code with Copilot

1. Open the `book-api` project in VS Code.

2. Open the `bookModel.js` file in editor. Then Open Inline chat by pressing the `Ctrl+I` .

3. We can use the `/doc` slash command to generate the documentaion for the file. To customize you can also provide some additional prompt along with the slash command.

   ```
   /doc Geneate JSDoc documentation for the methods
   ```

4. This will start adding documentation for the methods

```
book-api > src > models > JS bookModel.js > ...
   1   const sqlite3 = require('sqlite3').verbose();
            /doc ✕   /doc Geneate JSDoc documentation for the methods

            Ask Copilot                                          🔗  🎤  GPT-4o ⌄  ▷ ⌄
            Cancel  ⌄

   2   const db = require('../database');
   3
   4   /**
   5    * Represents a Book.
   6    */
   7   class Book {
   8       /**
   9        * Creates an instance of Book.
  10        * @param {number} id - The ID of the book.
  11        * @param {string} title - The title of the book.
  12        * @param {string} author - The author of the book.
  13        * @param {number} publishedYear - The year the book was published.
  14        * @param {string} category - The category of the book.
  15        * @param {string} language - The language of the book.
  16        */
  17       constructor(id, title, author, publishedYear, category, language) {}
  18
  19       /**
  20        * Creates the books table if it does not exist.
  21        */
  22       static createTable() {}
  23
  24       /**
  25        * Retrieves all books from the database.
```

5. Accept the suggestions

```
book-api > src > models > JS bookModel.js > ...
```

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