

# README

## Prerequisites:

- A web browser (Chrome, Firefox, Edge, etc.)
- Internet connection (to make API requests)
- Your own OpenAI API key (replace in the script)

## Steps:

1. **File Structure:** Make sure the following files are present in the same folder:
  - `app.html` (HTML file that structures the webpage)
  - `script.js` (JavaScript file for handling chat logic and API calls)
  - `style.css` (CSS file for styling)
  - `bionicreading.txt` (Text file containing the Bionic Reading article)
2. **Open the HTML file:** Double-click on `app.html` to open it in your web browser. This will launch the webpage in the browser.
3. **Replace the API Key:**
  - Open the `script.js` file in a code editor (such as VSCode, Sublime Text, or Notepad++).
  - Locate the line where the OpenAI API key is defined:  
`const apiKey = '...'; // Replace with your actual API key`
  - Replace the placeholder API key with your own key obtained from OpenAI.
4. **Using the Chat Interface:**
  - Once the webpage is open in the browser, you will see a chat interface on the right side of the screen.
  - You can interact with the webpage by typing questions in the input box and clicking the "Send" button or hitting "Enter".
  - The webpage will highlight sections of the text and provide AI responses using OpenAI's API.
5. **Highlighting Text:**
  - Example buttons allow you to focus on different parts of the text, such as the introduction or the discussion sections.

- The system will respond to your queries, and based on the response, certain sections of the text may be highlighted.

#### 6. **Chat Functionality:**

- As you ask questions in the chatbox, the webpage will dynamically add "chat bubbles" containing your messages and the AI's responses.
- The webpage supports scrolling for longer conversations and will fetch relevant sections from the Bionic Reading article.

#### 7. **Styling:**

- The webpage has pre-defined CSS styles, such as:
  - Button hover effects
  - Gradient backgrounds for headers
  - Customized chat bubbles for user and AI responses

#### 8. **Running and Troubleshooting:**

- Ensure your API key is correct.
- Verify all the files (HTML, JS, CSS, and text) are in the same directory.