



# Zodiac Cipher: Vibe Coding Guide

Congratulations! You've found the source code.

This guide is designed for **non-developers**. You don't need to know how to write code to improve this app. You just need to know how to talk to an AI. This process is called "**Vibe Coding**".

Follow these three steps to bring your own ideas to life.

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## 1. Get the Code on GitHub

To make changes and run the app, you need to host the files on GitHub.

1. **Unzip the file:** Extract the .zip file you just downloaded. You should see a folder containing files like package.json, src, public, etc.
  2. **Create an Account:** Go to [github.com](https://github.com) and sign up for a free account.
  3. **Create a Repository:**
    - Click the + icon in the top-right corner and select **New repository**.
    - Name it zodiac-puzzle (or whatever you like).
    - Make sure **Public** is selected.
    - Click **Create repository**.
  - 4.
  5. **Upload Files:**
    - On the next screen, look for the link that says **uploading an existing file**.
    - Drag and drop **all the files and folders** from your unzipped folder into the browser window.
    - Wait for them to upload, then click the green **Commit changes** button at the bottom.
  - 6.
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## 2. Launch your Workspace (Codespaces)

You don't need to install anything on your computer. We will use a cloud computer called a "Codespace".

1. Go to your new GitHub repository page.
2. Click the green **Code** button.
3. Switch to the **Codespaces** tab.
4. Click **Create codespace on main**.

5. A new browser tab will open with a code editor (VS Code). It might take a minute to set up.
  6. **Start the App:**
    - Look for the **Terminal** (a text box at the bottom of the screen).
    - Type npm install and press **Enter**. (This downloads the necessary tools).
    - Once that finishes, type npm run dev and press **Enter**.
  - 7.
  8. **View the App:** You will see a popup saying "Application running on port 5173". Click **Open in Browser**.
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### 3. Instruct the AI (Google AI Studio)

Now comes the magic. We will use Google's AI (Gemini) because it has a huge "context window" (it can read many files at once).

1. **Set up AI Studio:**
  - Go to [aistudio.google.com](https://aistudio.google.com) and log in with your Google account.
  - Click **Create new -> Chat prompt**.
  - On the right side, select the Model: **Gemini 1.5 Pro** (this model is best for coding).
- 2.
3. **Feed the AI the Context:**
  - You need to give the AI the current code so it knows what to modify.
  - From your unzipped folder on your computer, drag and drop the following key files into the "System Instructions" or the chat box in AI Studio:
    - src/App.tsx (The main brain)
    - src/style.css (The look and feel)
    - src/types.ts (The data structures)
    - src/components/Board.tsx
    - src/components/LeftSidebar.tsx
    - src/components/RightSidebar.tsx
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  - *Tip: You can upload more files later if you need to change specific parts.*
- 4.
5. **Start Vibe Coding:**
  - In the text box, type a prompt like this:  
"I have uploaded the source code for a React application. I want you to act as an expert React developer. I will ask for changes, and you will provide the full updated code for the specific file I need to change."
  - **Make a wish:** Now, ask for what you want. For example:  
"I want to change the background color of the board to dark blue."  
*or*  
"Add a button in the Left Sidebar that clears all text."
- 6.
7. **Apply Changes:**

- The AI will give you a block of code.
- Go back to your **Codespaces** tab.
- Find the correct file in the file explorer on the left (e.g., src/style.css).
- Delete the old code and paste in the new code from the AI.
- The "Open in Browser" tab will update automatically!

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Happy Coding! 