AI-Driven Development - 30-Day Challenge

Task 4 : Connecting Context7 MCP

Context7 Integration

1. Access Context7

1. Open the official website: **https://context7.com/**
2. Sign in to your Context7 account.

2. Add Required Libraries

3. Navigate to the **Libraries** section and include the necessary dependencies for your project.
4.

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3. OpenAI API Reference

5. Review the API documentation here: **https://platform.openai.com/docs/apireference/introduction?lang=python**

4. Generate an API Key

1. Open the **OpenAI Dashboard**.
2. Create a new **API Key** for use in your project.

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5. Create Your Project

1. Inside Context7, create a new project—e.g., **Quiz Generator Agent**.
2. In your project workspace, create a folder named **.gemini**.

3. Inside this folder, create a file named **settings.json**.

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6. Add MCP Configuration

Refer to the setup instructions at:
https://context7.com/docs/installation#cursor

Add the following configuration to your **settings.json** file:

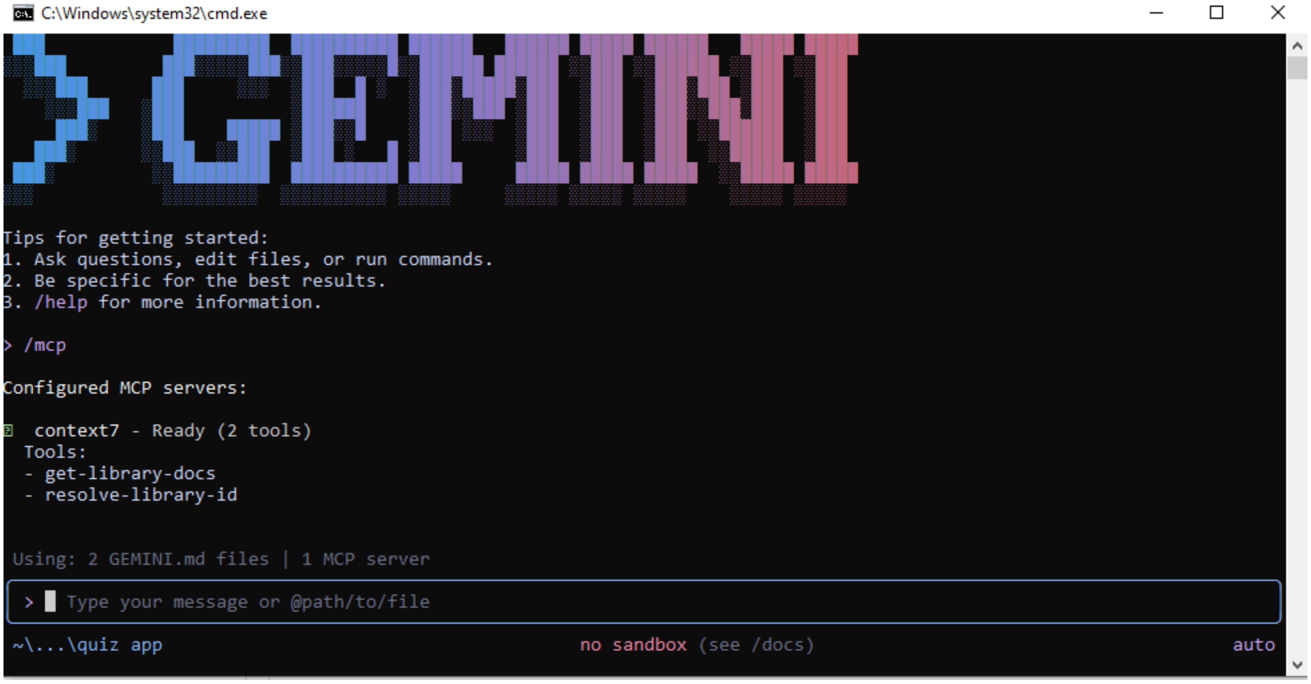
```
{
  "mcpServers": {
    "context7": {
      "url": "https://mcp.context7.com/mcp",
      "headers": {
        "CONTEXT7_API_KEY": "YOUR_API_KEY"
      }
    }
  }
}
```

Replace **YOUR_API_KEY** with the key you generated earlier.

7. Run Gemini and Enable MCP

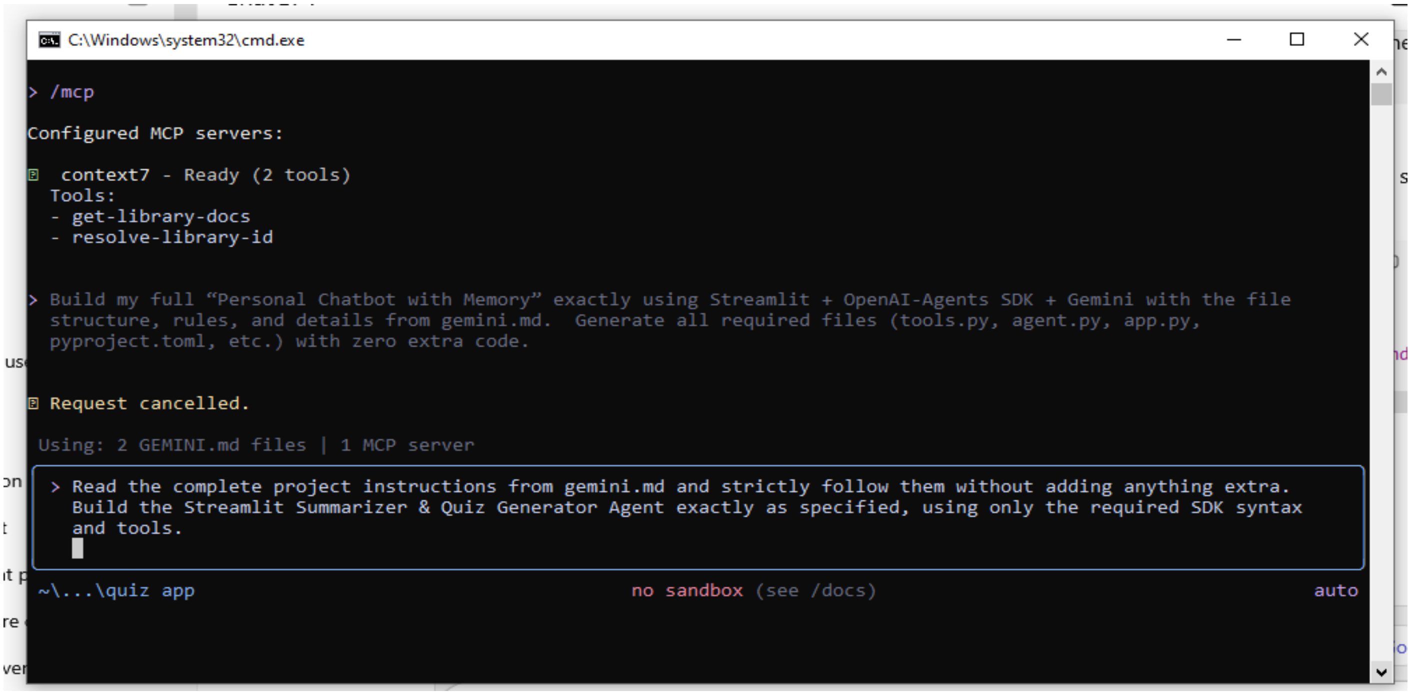
1. Start Gemini.

2. Execute the command:
   /mcp
3. The MCP server will now be added to your project.



```
Tips for getting started:
1. Ask questions, edit files, or run commands.
2. Be specific for the best results.
3. /help for more information.

> /mcp

Configured MCP servers:

🟩 context7 - Ready (2 tools)
  Tools:
  - get-library-docs
  - resolve-library-id


 Using: 2 GEMINI.md files | 1 MCP server
 > █ Type your message or @path/to/file
 ~\...\quiz app                          no sandbox (see /docs)                          auto
```

PROMPT:



C:\Windows\system32\cmd.exe

```
> /mcp

Configured MCP servers:

□  context7 - Ready (2 tools)
  Tools:
  - get-library-docs
  - resolve-library-id

> Build my full “Personal Chatbot with Memory” exactly using Streamlit + OpenAI-Agents SDK + Gemini with the file
  structure, rules, and details from gemini.md.  Generate all required files (tools.py, agent.py, app.py,
  pyproject.toml, etc.) with zero extra code.

□ Request cancelled.

 Using: 2 GEMINI.md files | 1 MCP server

  > Read the complete project instructions from gemini.md and strictly follow them without adding anything extra.
    Build the Streamlit Summarizer & Quiz Generator Agent exactly as specified, using only the required SDK syntax
    and tools.

 ~\...\quiz app                                    no sandbox (see /docs)                                       auto
```

Practical Task :Build the Study Notes

Summarizer & Quiz Generator Agent

🔗 GitHub Repository

https://github.com/irisss3099/Quarter-4---30-days-challenge/tree/main/assignment%204%20project/quiz%20app