**🧠 Claude Projects Enhanced CLI**

**✨ Bring the Claude.ai Website Experience to Your Terminal**

[GitHub Repo →](https://github.com/russell0/ClaudeProjects/tree/main)

**📖 Overview**

**Claude Projects Enhanced CLI** is a developer-first command-line interface that mirrors the Claude.ai website experience — giving you persistent project memory, artifact generation, and deep Opus-4 model interactions — all locally, with **no throttling**.

**🔑 Key Features**

* 🌐 **Website-Parity Responses** — Same deep reasoning as Claude.ai
* 📦 **Automatic Artifacts** — Claude saves generated code as files
* 📁 **Project Isolation** — Each project has separate files and chat history
* 💾 **Persistent Storage** — Files, conversations, and artifacts saved locally

**⚙️ System Requirements**

* Python 3.7+
* Internet connection
* Anthropic API key (ANTHROPIC\_API\_KEY)

**🚀 Installation & Setup**

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# Step 1: Clone the repo or save the script

git clone https://github.com/russell0/ClaudeProjects.git

# Step 2: Install dependencies

pip install anthropic python-dotenv

# Step 3: Configure your API key

echo "ANTHROPIC\_API\_KEY=your\_api\_key\_here" > .env

# Step 4: Run the CLI

python claude\_projects\_enhanced.py

**🛠 Getting Started**

**Create a new project**

bash

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(claude) > create my\_project

✅ Created enhanced project: my\_project

**Add files**

bash

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(my\_project) > add /path/to/your/code.py

✅ Added: code.py

**Chat with Claude**

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(my\_project) > chat What does this code do and how can I improve it?

**🧠 Sample Response Output**

yaml

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📎 Including 1 file from 'my\_project' project

🌐 Using website-parity mode for comprehensive response...

🤔 Thinking deeply...

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🤖 Claude (opus) - Enhanced Response:

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[Detailed analysis and improvements...]

📦 Created 5 code artifacts:

✓ ImprovedClass → improvedclass\_20250802\_161611.python

✓ OptimizedFunction → optimizedfunction\_20250802\_161611.python

💾 Saved: conversation\_20250802\_161611.json

📊 Tokens: 15,234 characters | 2,456 words | 5 artifacts

**🧩 Working with Artifacts**

**View artifacts**

bash

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(my\_project) > artifacts

(my\_project) > view improvedclass\_20250802\_161611.python

(my\_project) > list

**Export artifacts**

bash

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(my\_project) > export artifacts ~/Desktop/my\_improvements

✅ Exported artifacts to ~/Desktop/my\_improvements

**Open in file explorer**

bash

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(my\_project) > open\_project\_folder

**📂 Artifact Directory Structure**

bash

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Claude\_Projects/

└── my\_project/

├── files/ # Your input files

├── artifacts/ # Generated code improvements

└── conversations/ # Saved chat history

**📚 Command Reference**

**🔧 Project Management**

| **Command** | **Description** | **Example** |
| --- | --- | --- |
| create | Create new project | create web\_app |
| open | Open existing project | open web\_app |
| projects | List all projects | projects |
| summary | Show project stats | summary |

**📁 File Management**

| **Command** | **Description** | **Example** |
| --- | --- | --- |
| add | Add file to project | add ~/app.py |
| files | List project files | files |
| remove | Remove file | remove old.py |
| update | Sync project folder | update |

**🧠 Conversation**

| **Command** | **Description** | **Example** |
| --- | --- | --- |
| chat | Talk to Claude | chat explain this |
| model | Switch Claude model | model opus |
| models | List available models | models |
| conversations | View chat history | conversations |

**📦 Artifact Management**

| **Command** | **Description** | **Example** |
| --- | --- | --- |
| artifacts | List generated artifacts | artifacts |
| view <file> | View file or artifact | view improved\_code.py |
| list | Show all files + artifacts | list |
| export artifacts <path> | Export artifacts | export artifacts ~/Desktop |
| clear\_artifacts | Remove all artifacts | clear\_artifacts |

**🧰 Utilities**

| **Command** | **Description** |
| --- | --- |
| open\_project\_folder | Open project folder in Finder |
| help | Show help for all commands |
| exit or quit | Exit CLI |

**💡 Pro Tips**

* Press TAB for autocompletion
* Artifacts are saved automatically per Claude’s output
* Use opus model for best response quality
* Export all your artifacts in one go with export artifacts

**✅ Example Workflows**

**🔍 Code Review**

bash

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> create code\_review

> add main.py utils.py

> chat Review this code for issues and improvements

> export artifacts ~/Desktop/reviewed

**🧪 Learning**

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> create learning

> add tricky\_function.py

> chat Explain this line by line

**🔧 Refactoring**

bash

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> create legacy\_upgrade

> add legacy\_code.py

> chat Refactor using modern best practices

**❗️Troubleshooting**

* **No API Key?**  
  → Make sure .env file has ANTHROPIC\_API\_KEY=your\_key
* **File Not Found?**  
  → Use relative/full paths or run files to check
* **No Artifacts Created?**  
  → Only large responses (~100+ characters) generate files
* **Can’t Find Artifacts?**  
  → Use artifacts, or browse Claude\_Projects/my\_project/artifacts