

Mastering Anthropic Claude:

A Comprehensive 3-Hour
Hands-on Workshop

Workshop Overview

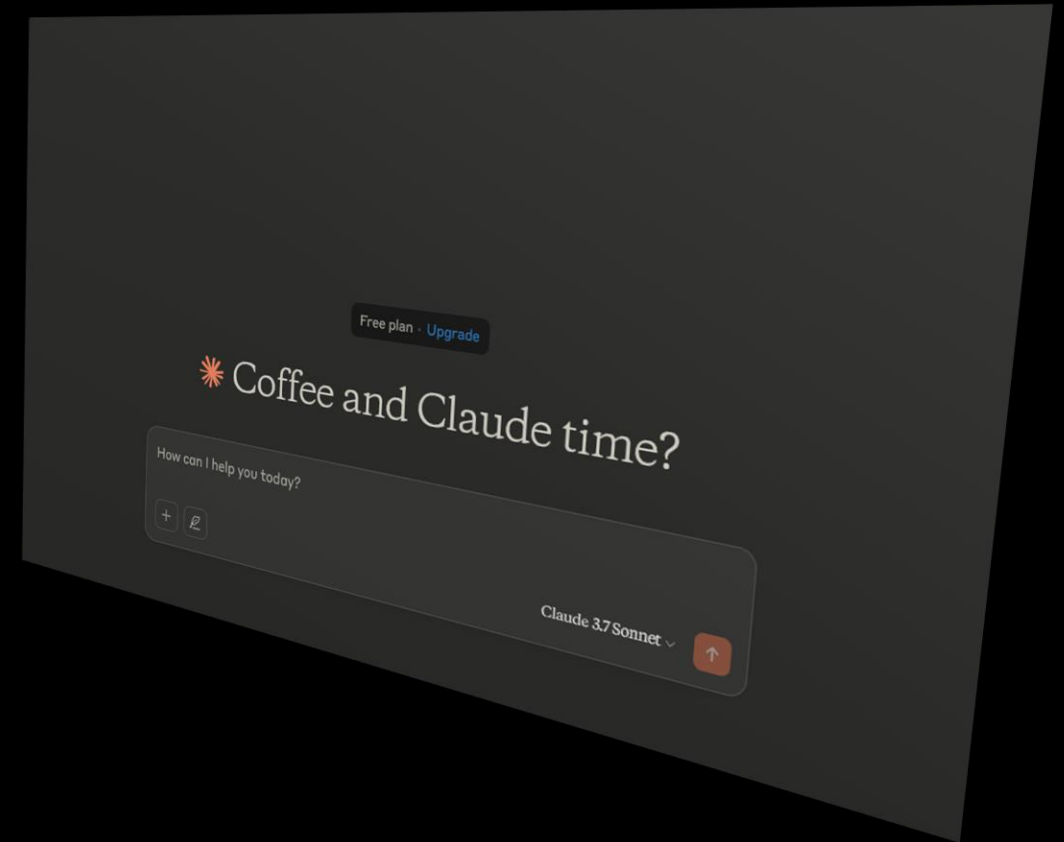
- Hands-on experience with Anthropic tools
- Learn Claude workflow automations
- Explore advanced API integrations
- Increase productivity with AI
- Create custom AI applications



The Anthropic Platform

Compared to OpenAI's GPT models, Claude 3.7 Sonnet offers several enterprise advantages:

- Native computer interaction capabilities for workflow automation
- Artifacts system for generating technical documentation and visualizations
- Enhanced security protocols for enterprise deployments
- Extended context windows (up to 200K tokens) for complex technical documents



Tools and Requirements for this Workshop

Account Requirements:

- Claude Team Account: Essential for collaborative features (\$28/user/month)
- API Access Tier: Starter plan (\$25/month) provides sufficient quota
- OpenWebUI Installation: Local deployment for enhanced security

Hardware/Software Requirements:

- Modern laptop with WebGPU support (Chrome 115+ recommended)
- Node.js 18+ and Python 3.10+
- Postman for API testing



Tools and Requirements for this Workshop

Recommended Prior Knowledge:

- Basic computer literacy
- Familiarity with web applications
- Basic understanding of programming concepts (for API module)
- Basic understanding of JavaScript helpful but not required

Workshop Materials:

- Workshop slides (will be provided)
- Code samples repository: available on GitHub
- Example prompt library for exercises
- Sample datasets provided:
 - Network topology diagrams
 - Server inventory CSV
 - Hybrid cloud migration plan draft



Accessing Claude's Ecosystem

WebUI Setup via OpenWebUI

- Clone repository:
- `git clone https://github.com/open-webui/open-webui.git`
- Install dependencies:
- `npm install -g @open-webui/cli`
- Configure Anthropic integration:

```
openwebui config set-anthropic --api-key YOUR_KEY --model claude-3-7-sonnet
```

- Launch interface:

```
openwebui start --port 3000
```



Accessing Claude's Ecosystem

API Key Management

- Navigate to Anthropic Console > Security > API Keys
- Generate scoped keys with granular permissions:
- Read-only for analysis tasks
- Write-access for automation workflows
- Implement key rotation every 90 days



Module Walkthroughs

See the lab workbook for details on the modules below:

- a) Claude WebUI
- b) Artifacts
- c) Prompt Engineering
- d) Model comparison
- e) Code generation
- f) Computer Use
- g) Visual analysis
- h) Style profile
- i) API

