

Introduction

{{NOTE: Comments in double braces like this are notes that should be removed before handing this 'markdown' file to an AI, and before publication}}

{{The source code for this file is shared here <https://purl.org/sanddollar/share> - login needed}}

{{Markdown files often have the suffix `.md` or perhaps `.md.txt` if it needs to be made clear to the system they are simply text files}}

This manual has the practical instructions to go with the *Prompt Neurons* book on Agentic AI. Since we are using Claude 4 and Claude Code, many instructions and practical activities dive deeply into the nitty-gritty.

A lot of the value of the Prompt Neurons EndOffice application is just to make the mechanics easier to set up for persons who are just trying out Agentic AI *at the edge* (that is, a home or retail business quality computer, such as a Windows 11 PC or a Mac).

There are a lot of people who are intimately connected with the business use of Agentic AI, but don't have 'Developer level skills' that are often presumed of Early Adopters.

Part of promise of the 'Vibe Coding' revolution is opening up activities that formerly took a (human) coder or junior developer, to a broader audience--Program Managers, Educators and Trainers, Clerical Workers. That is what the *Prompt Neurons* book is about.

This Lab Manual is about how to *do* the projects and case studies mentioned in the book.

The first steps are to simply set up a 'fresh' desktop or laptop device, and install the required software to do the lab. Lab *instructors* and other trainers will need to know how to set up a whole classroom. This lab manual starts with the simplest TTPs (Tactics, Techniques, and Procedures), and moves up to more complex tasks, such as a project 'for a course', or a 'case study', to demonstrate the full power of the technology in an understandable, hands-on way.

Lab 1: Preparing your device

Background

- there are two modes of using the Prompt Neurons software, which we call hunter and gatherer
- A 'hunter' is doing research on the internet, using search engines and AI agents to gather Business Intelligence--perhaps researching 'the opposition' for a marketing campaign
- A 'gatherer' expects to remain anonymous and guards against 'leaking' any information. This can be very important in testing AIs, since if the test cases end up 'on the internet' they can contaminate future tests, since AIs will train on verification test!

Hunters are always online, or they can't even do their job.

Gatherers are in a 'defensive posture' and may need to operate offline, either for safety and security reasons, such as experimenting with AI Agents that would be dangerous to release 'in the wild' untested, or else because there are business requirements related to the data being researched and analyzed.

Before installing Claude Code or PN EndOffice, install Claude Desktop

If you are on Windows or MacOS (not Linux), you should install the Claude Desktop application and get it working.

You will need:

- an email account to receive authentication instructions
- to sign up for a plan with Anthropic (probably requires a credit or debit card)
- to meet the platform and space requirements for installation

Follow the instructions for your platform here:

[Installing Claude Desktop | Anthropic Help Center](#)

{{ SEE ALSO: [Vibing with Claude - Sand Dollar](#) }}

Guide to installing Claude Code and preparing your device

Until this section gets written, refer to:

[Claude Code Docs, Guides & Best Practices | ClaudeLog](#)

{{ NOTE: [Very Useful Site related to /r/ClaudeAI - Sand Dollar](#) }}

This website, written by a mod of the /r/ClaudeAI subreddit, has developer-level instructions. In many cases, this lab manual can be read, at least in its early stages, as a companion guide with some more detail to the claudelog website.

In particular, this section mirrors the `Installation` page

[Claude Code Installation Guide | ClaudeLog](#)

Special Instructions for Windows

Special Instructions for Macintosh (MacOS)

Special Instructions for Linux

Besides the Windows Subsystem for Linux (WSL2 on Windows 11), as given above, we test with Ubuntu, Debian, and AlmaLinux (RedHat replacement, now that CentOS is no longer supported)

This section TBD