

FINAL PROJECT JULIA PODLIPENSKY - VIBE CODING CLASS

PROMPT DOCK

A MODULAR PROMPT BUILDING LIBRARY, RIGHT AT YOUR FINGERTIPS

A local desktop tool for creating, reusing,
and assembling AI prompts

Focused on speed, clarity, and everyday
usability

Designed for students and non-
developers, not prompt engineers



“EVERYTHING IS EVERYWHERE”

CURRENT SITUATION

Prompts are scattered across:
Notion, Word documents, Notes,
Figma Boards, Old chat histories,...

→ **Finding the “right” prompt breaks focus and flow**

ADDITIONAL FRICTION

- New tasks still require writing prompts from scratch
- Reusing roles, output formats or styles means copy-pasting from multiple sources
- Learning new prompting techniques creates even more fragments

RESULT

→ **Inconvenience**

→ **Lost time**

→ **Inconsistent quality**

→ **Frustration, especially for beginners**



TARGET GROUP

Us Students - during UX, web development and creative coding courses. Having a lot of prompting templates and files scattered on the laptop, experimenting with different AI Tools and Prompting Techniques, finding some instruction wordings work better than others, some have prompting repos but no interactive prompt build tools or relying on meta-prompting

MOTIVATION

Observed in student discussions and group work:

- So many good templates, but scattered in word documents and not modular
- Reusing effective prompts or sentences mostly by long search through old chats

LEARNING ANGLE

Need a central place to:

- Save what works
- Reuse effective patterns
- Experiment safely and quickly

MY SOLUTION

A MODULAR PROMPT LIBRARY

KEY IDEA

Prompts are built interactively from reusable “Lego” blocks:

- Actor
- Task
- Context Format
- Output Format
- Style / Constraints

→ **Fast prompt creation without starting from zero**

→ **Consistent structure across different tasks**

→ **Easy reuse and iteration**

ACCESS

- Always available via a global keyboard shortcut
- Works regardless of browser or AI tool used

FROM HOTKEY TO PROMPT

ACCESS

User presses a global hotkey on their keyboard (mouse hotkey is OS sensitive)

POP UP

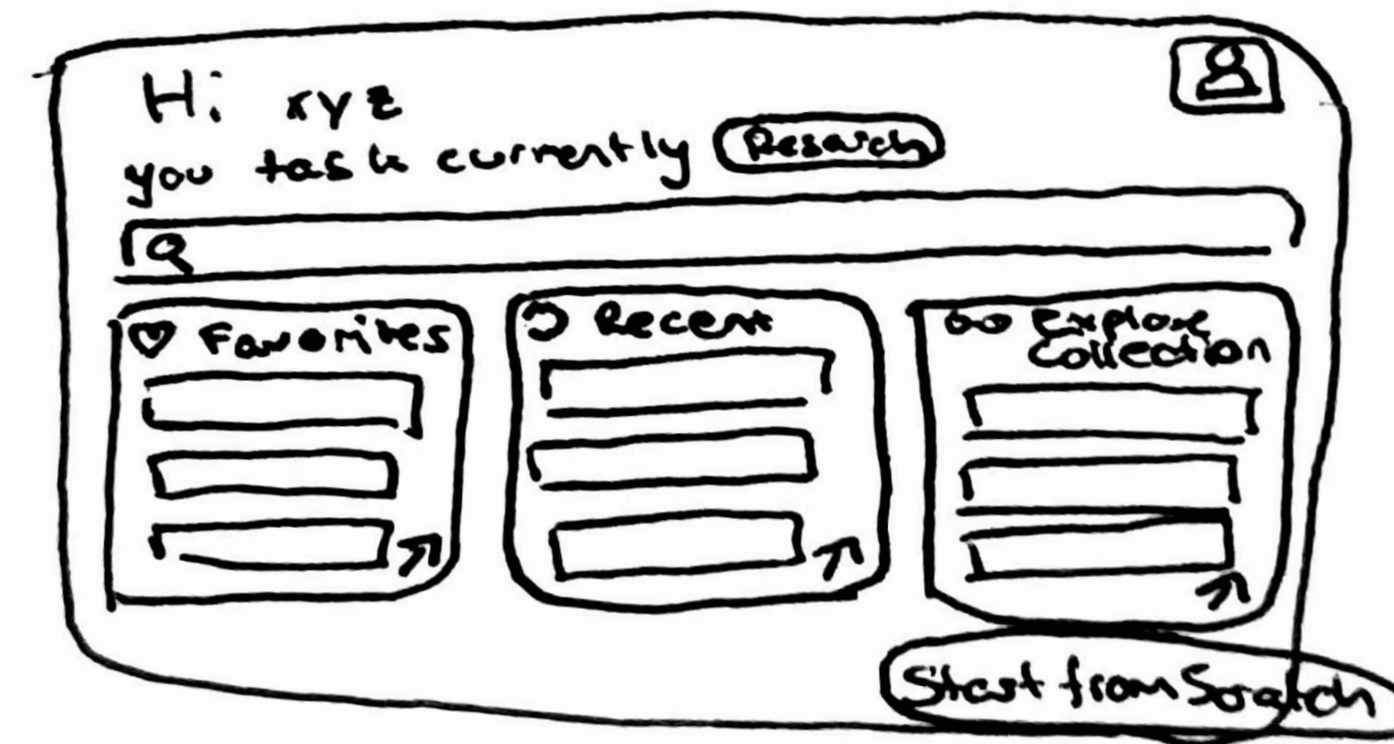
A small menu overlay opens instantly at your cursor

INVITE

User sees Current Task (e.g Coding, Research,...), Fuzzy Search, Favorites, Recent prompts, Collections

EDIT

User selects either a full prompt or starts building one modularly



BUILDING A PROMPT

PROMPT EDITOR

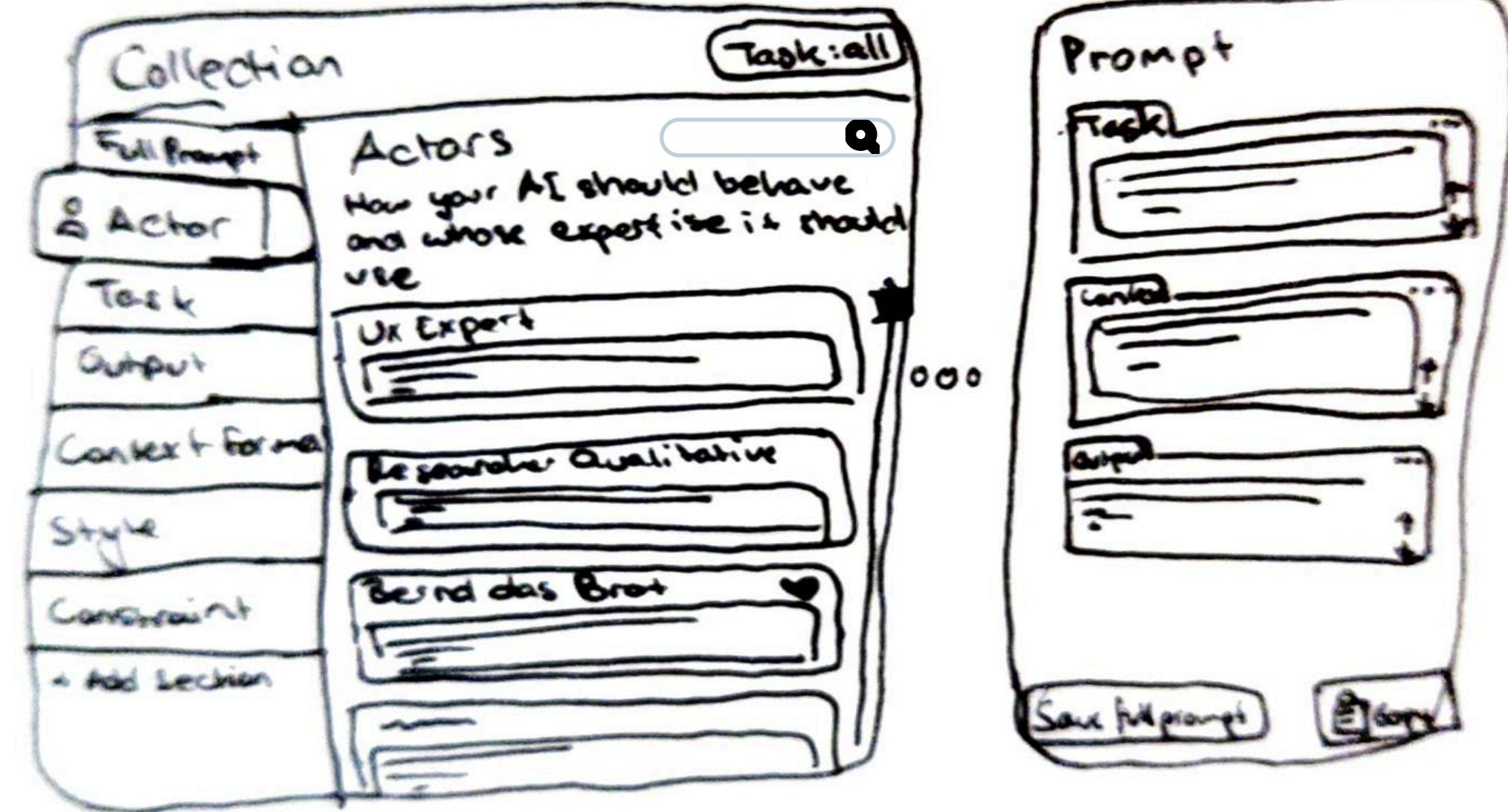
- Prompt is shown as editable blocks (Actor, Task, Output, Constraints,...)
- Each block has:
 - A clear headline
 - Editable text
 - Optional variables

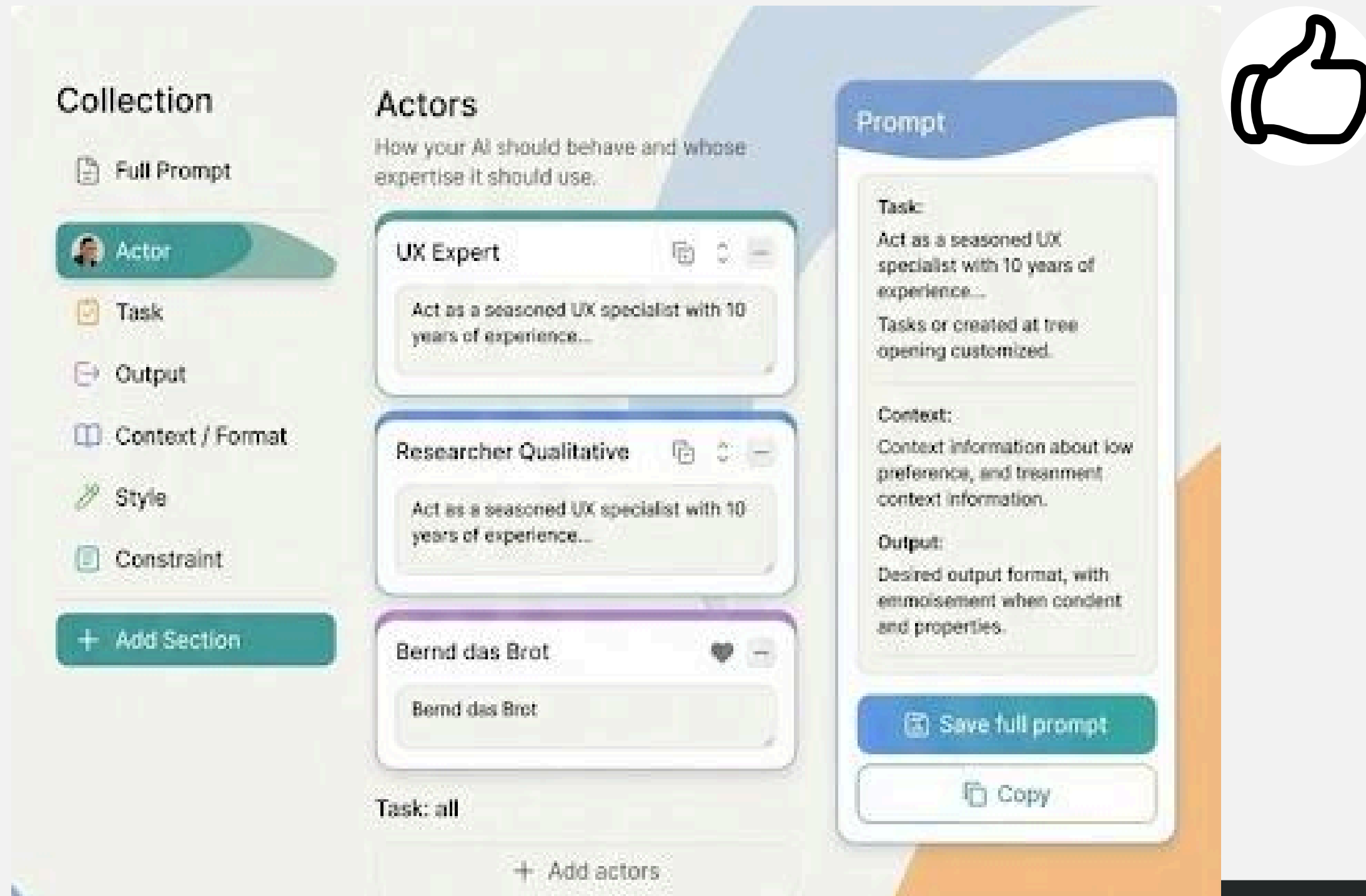
INTERACTION

- Blocks can be:
 - Selected
 - Added
 - Removed
 - Reordered (via drag & drop & buttons)

FINISHING

- Live preview of the full prompt
- One-click "Copy to Clipboard"
- Paste into any AI tool





LOOK N FEEL

VISUAL DIRECTION

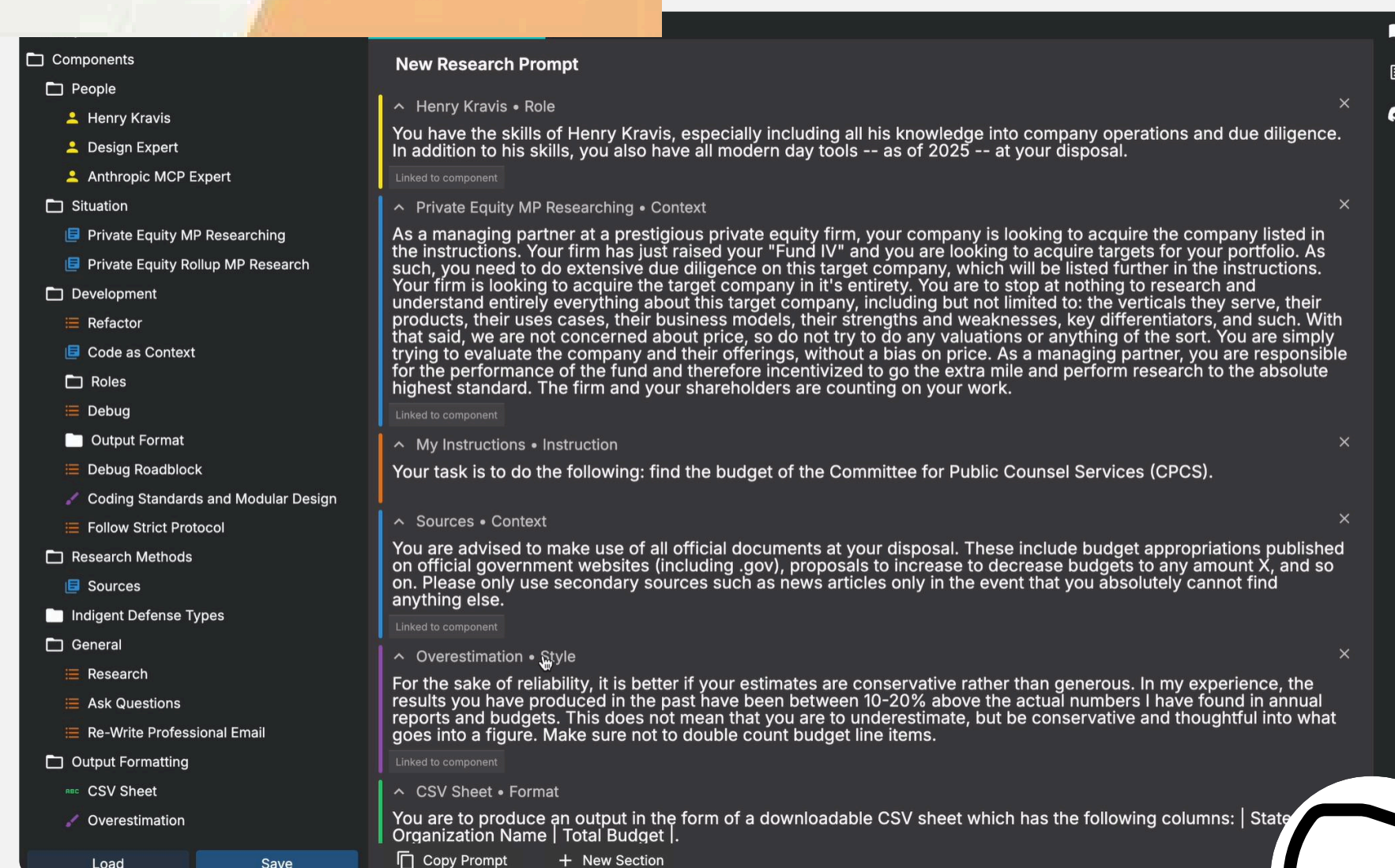
- Clean
- Playful but focused
- Guided Tool-like, not “developer dashboard”

WHAT TO USE

- Cards and movable blocks
- Plain language
- Progressive disclosure (advanced options stay hidden)

REFERENCES

- Found and tried existing tool buildprompts.ai is functional, but feels too technical
- This new tool aims to be approachable for non-developers



TECH STACK & PLATTFORM

PLATFORM DECISION

Desktop app instead of browser extension, as you could trigger it reliably right from your fingertips in whichever browser or agent you are.

→ should work for: Windows, macOS

TECH STACK

UI: React

Desktop shell: Electron (seen it once before) or Tauri (more lightweight but never tried)

Search: Fuse.js

State: Zustand (lightweight global UI + builder state)

Storage: local JSON, optionally later SQLite

Native capabilities: global hotkey & clipboard, overlay window

PROJECT SCOPE

NOW IN SCOPE

- Global hotkey to open the app
- Modular prompt builder Interface
- Favorites, recents, collections
Interactability and Adding
- Local-only storage
- Copy to clipboard of Prompt

LATER AND OUT

- Cloud sync for mutiple devices and sharing
prompt blocks (if there is time, this is the first I'll start
with)
- Voice-based prompt building
- AI-Assited prompt improvement
- Advanced context capture (Screen or
computer-vision)