

## **PRD: Gnome**

### **Problem**

Managing files is a frustrating, time-consuming, and inefficient process. Users frequently download and create files without properly renaming or organizing them, leading to cluttered desktops and difficult file retrieval. Over time, this results in lost productivity, increased cognitive load, and wasted effort searching for misplaced files.

Existing solutions require manual effort, offer rigid organization rules, or fail to adapt to individual user needs. What's missing is an intelligent, automated system that understands context, categorizes files dynamically, and evolves with the user's workflow.

Gnome solves this problem by using LLM-powered AI to automatically rename, categorize, and organize files based on their content and user preferences. Users can fine-tune the system using their own OpenAI account to ensure the AI aligns with their specific needs. With Gnome, file organization becomes effortless, intuitive, and fully automated—so users can focus on their work, not on managing files.

## Personæ

### #1 - done by Calvin Beighle

- **Example Personæ:** customer
  - The customer must make the decision as to whether or not they will go through the effort of using Gnome. The customer naturally will consider every point of friction: downloading the program, moving files to the platform, trusting the organization, continuing to use the platform as more files are added locally, and more.
- **Example Stakeholder:** Calvin Beighle, busy student
  - A busy student at Harvard, juggling multiple classes while running a business. Their desktop, downloads folder, and documents are filled with assignments, legal documents, slides, notes, and more. They waste time every day searching for and reorganizing these files into the correct folders. They need a solution like Gnome that can automatically name and organize their files so they can focus on more important tasks.
- The customer and busy student in this case, would be the primary decision-maker as to whether or not they use Gnome as their filing system. Acting as a self-optimizing agent, they continually evaluate new tools that promise improved productivity and time savings.
- Goals are as follows:
  - **Time Savings:** Quickly find documents without manual searches
  - **Improved Organization and Workflow:** Files are automatically organized into relevant folders in a way that canonically makes sense

- **Stress Reduction:** Due to having organized files the user is able to access relevant information in a more time efficient manner eliminating frustration and freeing up mental space for more critical tasks
- Their core values
  - Time Savings: Quickly find documents without manual searches
  - Improved Organization and Workflow: Files are automatically organized into relevant folders in a way that canonically makes sense
  - Stress Reduction: Due to having organized files the user is able to access relevant information in a more time efficient manner eliminating frustration and freeing up mental space for more critical tasks

## **#2: User: Ondrej, Co-Founder/Developer, Gnome - done by Ondrej Vesely**

- Ondrej is a rising junior studying Computer Science as his major and Neuroscience as his minor. He enjoys coding and is very interested in ML, hence he is taking a class called Software Engineering with Generative AI. Ondrej saw a very interesting project proposal for his class from Calvin and they decided to team up to build Gnome together.
- Ondrej is a user since he himself plans to use the product he is building. Many times he was trying to find a file that was buried somewhere in his downloads or a very strange folder in the file explorer that he didn't even know existed. He wasn't able to search for it using its name because he forgot to rename it based on its content, leading to wasted time, effort, and decreased productivity. Thus, he is passionate about the product he is building, as he experienced difficulties himself and wants to solve them using the existing AI tech that can automate the process of organizing files and thus increase productivity and satisfaction of any person owning a computer.
- Ondrej wants to get more experienced working with AI tech. He wants to build something that works and is useful, as there is nothing more satisfying than that. He also wants to have fun doing it and be in a team that are also passionate about building products and are fun to be around.
- Ondrej's core values: growth as a developer, learning and getting more comfortable with AI, building a product that works, solving real-world problems, working in a team with like-minded, passionate developers

# User Persona Journey: A Day with Gnome

Done by Calvin Beighle

## Background

- The user is a busy professional juggling remote work, personal projects, and other clutter.
  - Their laptop has become a maze of meeting slides, research PDFs, personal spreadsheets, and random downloads accumulated over years of work.
  - They waste valuable minutes scrolling through folders or typing half-remembered filenames.
  - Determined to automate file organization and eliminate clutter, the user searches for a more efficient solution.
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## 1. Discovery & Curiosity

- While reading on ProductHunt, the user notices a review praising Gnome's LLM based approach to renaming and categorizing files.
- The review highlights Gnome's ability to learn from user feedback, improving its performance as it gains experience with different file types.
- Intrigued by the promise of less time spent hunting down lost documents, the user investigates further.
- Convinced by positive testimonials and the potential to reclaim precious work hours, the user decides to download Gnome.

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## 2. Download & Onboarding

- After visiting Gnome’s official website, the user completes a straightforward installation process engaging in a smooth, simple UX and UI.
- When prompted, they grant Gnome access to frequently used folders such as Documents, Downloads, and Desktop.
- A concise onboarding tutorial explains how Gnome’s LLM-powered AI scans file contents, applies logical naming conventions, and creates sensible folder structures.
- To enable deeper customization, the user links an OpenAI account, ensuring Gnome can learn from personal workflow patterns. (Stretch goal: communication back and forth with added context from OpenAI and Gnome)
- The tutorial emphasizes data security, offering reassurance that sensitive information is handled responsibly.

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## 3. Initial Organization

- The user instructs Gnome to scan the “Downloads” folder, their dumping ground for random materials.
- Gnome quickly flags a file called “BudgetDraft(1).xlsx” and proposes renaming it to “2025\_Marketing\_Budget\_Draft.xlsx,” suggesting a new “Finance” subfolder.
- With a single click, the user approves this reorganization, watching Gnome apply similar contextual logic to an array of documents, images, and presentations.

- The once-chaotic folder transforms into a structured space in just a few moments
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#### **4. Daily Use & Learning**

- Over the subsequent week, Gnome monitors each newly created or downloaded file and suggests relevant folder placements and renaming options.
  - When unsure how to classify an item, Gnome prompts the user to choose between options such as “Work\_Projects” or “Personal\_Receipts.”
  - Each correction or confirmation further refines Gnome’s learning model, steadily reducing errors and improving accuracy.
  - The user quickly realizes that while Gnome quietly operates in the background, it significantly reduces time spent on manual sorting.
  - The user eventually has “Gnome” as their automatic folder for downloads, enabling seamless, automated organization.
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#### **5. Advanced Commands**

- Comfortable with basic features, the user experiments with natural language instructions like “Gnome, archive all slides older than 2024” or “Move my research files to a ‘Coursework2025’ folder.”
- Chat integration allows the user to deliver these commands while multitasking.

- For sensitive documents—such as contracts or tax forms—the user configures Gnome to encrypt and store them in a secure subfolder, blending convenience with robust privacy measures.
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## **6. Reflection**

- After a short trial, the user notes a clear reduction in stress and time lost to rummaging through unorganized files. The user determines that any extra friction with their OS's file system is a worthwhile tradeoff for using Gnome.
- By automating tedious tasks like renaming and sorting, Gnome frees up mental energy for more meaningful work—be it a client proposal or a personal creative project.
- The minimal intrusiveness and consistent results foster a sense of trust, prompting the user to recommend Gnome to colleagues who struggle with file clutter.
- Having integrated Gnome into daily routines, the user appreciates the newfound efficiency and wonders how they ever managed without AI-powered file organization.



## **Lucky Break**

**Done by Ondrej Vesely**

### **Introduction**

- It's 2030, and Gnome has fundamentally changed how people manage their computer files. No one wastes time searching through downloads or forgotten folders anymore – AI does it all, intelligently categorizing, renaming, and retrieving files instantly. Gnome is no longer just an AI-powered file organizer; it's the standard for digital file management, used by millions across personal and professional workflows – from students managing their papers, sources, projects, etc. to legal teams organizing thousands of case files. Gnome's AI-driven workflow automation is now embedded into cloud storage, operating systems, and enterprise collaboration platforms.

### **Key Features**

- Strategic integrations with Google Drive, Dropbox, OneDrive, and macOS/Windows made Gnome an essential utility.
- Fine-Tunable AI: Gnome's LLM automatically categorizes, renames, and sorts files based on user context.
- Zero Setup Required: Users don't need to configure rules manually – Gnome learns and adapts on its own.
- Smart Search & Retrieval: Users no longer search for files by vague names; Gnome understands their intent, enabling natural language search (e.g., "Find my 2027 tax documents").
- Enterprise AI customization for legal firms, financial institutions, and others.

## **Business Growth**

- Gnome partnered with OpenAI to allow users to use their account to drive AI for a discounted price. Otherwise, they would pay a full subscription fee for the AI mechanisms.
- Gnome partnered with various enterprises to customize it for their needs.

## **Competition**

- Competing products emerged, but none could match Gnome's fine-tuned AI and adaptive learning capabilities. Gnome's developers were well educated from the class where the product started and knew exactly what to do to keep their number one spot.
- Big tech players attempted acquisitions, but Gnome stayed independent.
- Gnome understands context and intent, allowing users to ask for documents naturally instead of relying on filenames. It is versatile, available for all operating systems, and thus easy to get used to.

## **User Impact**

- Students & Researchers
  - No more lost PDFs, research papers, or assignments.
  - Gnome integrates with Canvas and other education platforms to automatically sort and tag academic files by subject and context.
- Professionals & Teams
  - Lawyers, consultants, and business executives retrieve case files and reports instantly.
  - Gnome eliminates duplicate documents.

- Creatives & Developers
  - Organizing thousands of assets, code files, and media is effortless.
  - Developers use AI to auto-document and manage code repositories.

### **What Made This Happen?**

- Gnome dominated Product Hunt, leading to its first 1M users within a year.
- Tech influencers and productivity experts hailed Gnome as the “future of digital organization.”
- Advancements in LLMs and on-device AI made real-time organization instant and cost-efficient.
- AI became smarter, cheaper, and more adaptive, making fine-tuning accessible to everyone.
- Exclusive collaborations with Google Drive, Dropbox, and Windows/macOS.
- Gnome’s founders were driven by the problem they set out to solve. They built a strong company culture of iteration, innovation, and customer obsession. They took their development step by step, always thinking ahead.

### **What’s Next?**

- AI-Powered Voice Retrieval: “Hey Gnome, find my 2028 tax documents.”
- Automated Email & Cloud Management: AI manages attachments, detects duplicates, and categorizes cloud-based files.
- Proactive AI Workflows: AI suggests organization actions based on user behavior.  
(“Would you like me to archive these old invoices?”)

## References

OpenAI. (2025). *ChatGPT (Feb 2025 version)* [Large language model]. OpenAI. Used for brainstorming ideas and cleaning them up for writing. <https://chat.openai.com>