Vocational English IV (Mesleki Yabancı Dil IV) Week 3

06.04.2024





Engineering Faculty
Computeer Engineering

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INTRODUCTION

BeanHub, your smart accounting book

BeanHub is a modern accounting book app based on the most popular open source version control system Git and text-based double entry accounting book software Beancount. With BeanHub, personal finance, budgeting, and business bookkeeping are easier than ever.

Try Out Demo Repo

ARTICLE: THE JOURNEY TO AUTOMATION

I built BeanHub to solve my own accounting problems.
 After three years, my
 Beancount books are now
 95% automated. Watching my accounting update itself in an open format brings me joy. Even better—others are paying for it!

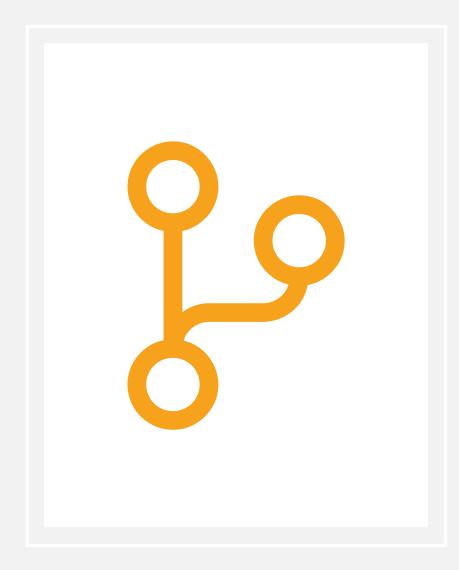
WHY NOT USE EXISTING SOFTWARE?

• Popular options like QuickBooks and Xero exist, but **software isn't forever**. One day, they'll shut down, and users will be stuck with outdated formats or **locked-in data**. That's why I chose **Beancount**, an open-source alternative.



THE "FILE OVER APP" PHILOSOPHY

• Most accounting tools use databases. I wanted something different—a system that operates on files. This makes development harder but ensures my books stay open, portable, and future-proof.

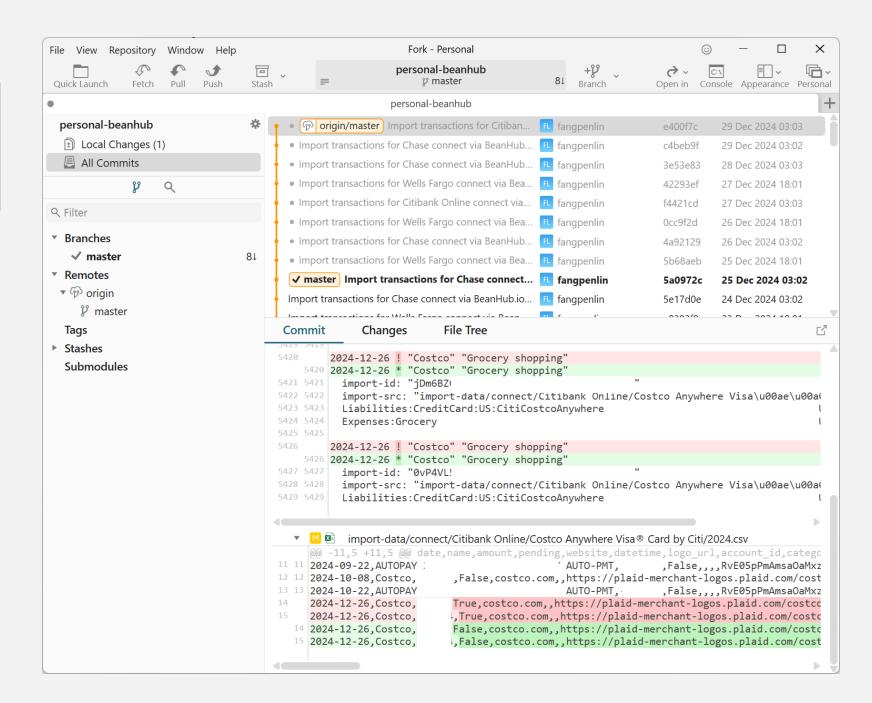


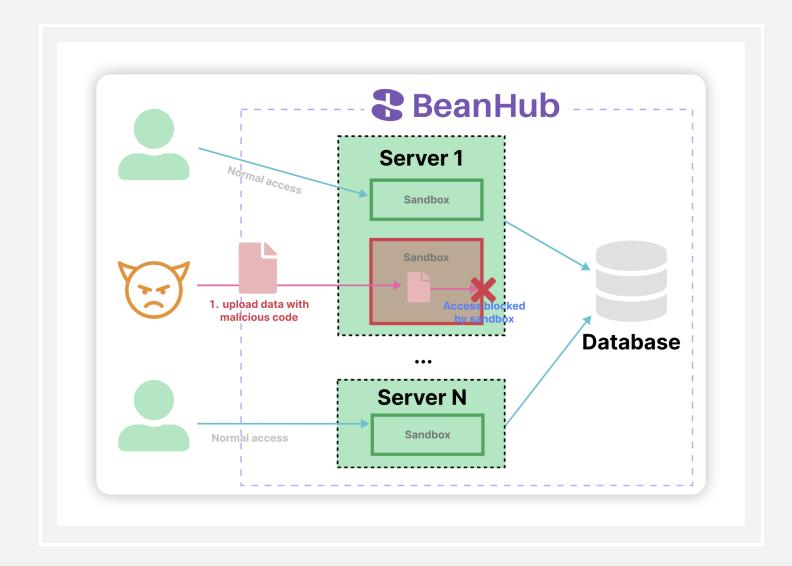
OPEN SOURCE AS A STRATEGY

• To automate Beancount, I built and open-sourced **15+ tools**—including a parser, formatter, and import engine. Open-source gives back to the community, **attracts users**, and ensures BeanHub remains useful even if my company shuts down.

CHALLENGES OF BUILDING A GIT-BASED SYSTEM

BeanHub tracks all accounting data in Git
 repositories for full history
 transparency. But hosting
 Git at scale isn't easy—it
 requires tackling security,
 durability, forking, and cost.
 In the process, I essentially
 built a mini GitHub from
 scratch.



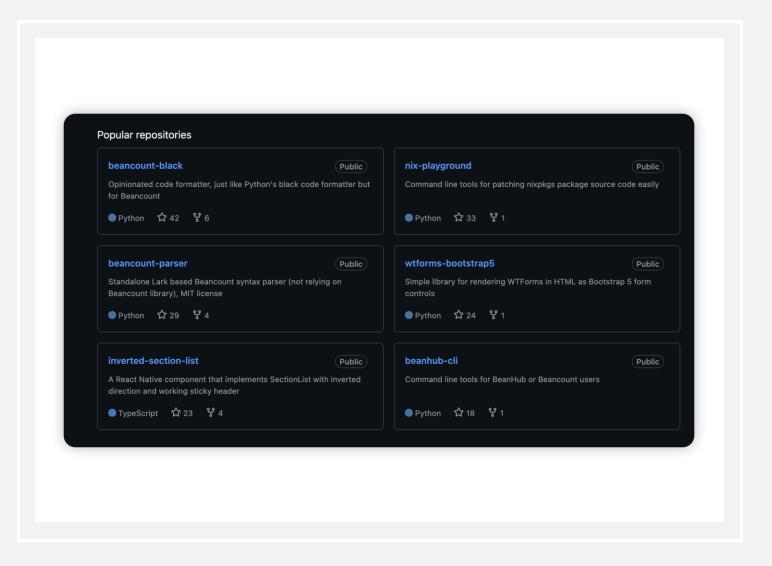


SECURITY MATTERS

Processing user-uploaded files is risky—malicious
 Beancount files can execute code. To prevent security breaches, I implemented container-based sandboxing, protecting both BeanHub and its users from potential exploits.

THE STRUGGLES OF SELLING A PRODUCT

• Building is one thing, selling is another. I often feel my product isn't "good enough" to market aggressively. But the reality is—if it's good enough for me, it's good enough for others. Growing a user base requires education & community-building.



https://github.com/LaunchPlatform

WHAT'S NEXT?

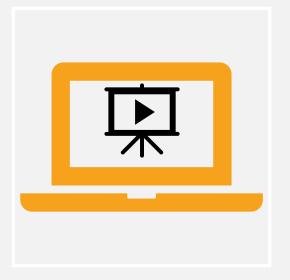
• Software development is a marathon, not a sprint. My vision is to see more "File Over App" software that puts users in control of their data. As for the future... an Al-powered accounting automation? Maybe... but maybe not

What's next, you may ask?

What about an LLM-powered automatic book cooking feature?

LISTENING

The INTERNET is killing old PC hardware



There will be quiz after the Listening Activity!

https://www.youtube.com/watch?v=TE_ePuGAvPM

WORDS OF THE WEEK

Obsolete – no longer in use or relevant

Lock-in – being restricted or trapped in a system

Durability – ability to last over time

Scalability – ability to handle increasing workload or

growth

Sandboxing – isolating software processes for security **Marathon** (metaphorical use) – a long and difficult

process

Auditable – able to be officially examined or verified

Integrity (data integrity) – maintaining accuracy and

consistency

Competing (as in services) – rivaling another in the same

field

Exposure (business) – gaining visibility and recognition

Faction – a small, organized dissenting group

Iteration – repeated process to improve a product

Mitigate – reduce or lessen negative effects

Proprietary – owned by a private entity, not open-

source

Repository – storage location for files/code (technical

term)

Formatting – structuring or arranging content

properly

Infamous – well-known for negative reasons

Empowering – enabling someone to have more

control

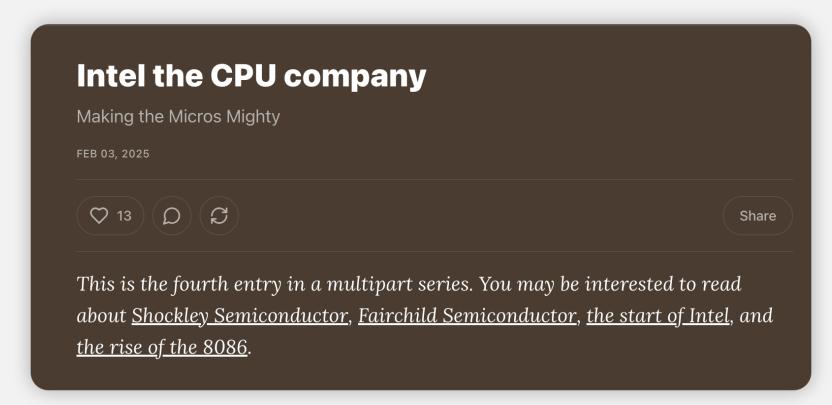
Reliance – dependence on something

Adoption (technology) – process of accepting and

using new tech

NEXT WEEK ARTICLE

https://www.abortretry.fail/p/intel-the-cpu-company



NEXT WEEK VIDEO

- https://www.youtube.com/watch?v=PT787d9odKk
- Intel Processors Explained (2025): Super Easy Guide





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