Language Go!

Term Project

Meet the group

01 **Florencia Doval (Floppy)**
Learn and Practice Mode design and logic

02 **Lyra Ymeraga**
CSS Skeleton and Dashboard Frontend

03 **Nina Py**
Timer, metrics for accuracy, pause, summary page

04 **Tristan Green**
Backend, database logic, and leaderboard

Project Overview & Background

Fun Fact: All the members of our group speak more than one language!

Our platform helps people learn how to type in new languages by building muscle memory.

Floppy and Nina are learning Korean, which uses a completely different alphabet compared to the one on our keyboards. You can use our platform to learn/practice typing and improve over time!

Project Timeline (Optional)

Week 1

Gathered user research. Planned the components of the platform and created the initial design.

Week 2

Created the keyboard logic and the option to allow users to get hints. The leaderboard was also added.

Week 3

Added time measurement and ability to pause practice session. Added some metrics on user's dashboard.

Week 4

Polished design of platform. Tested the code. Wrapped everything up.

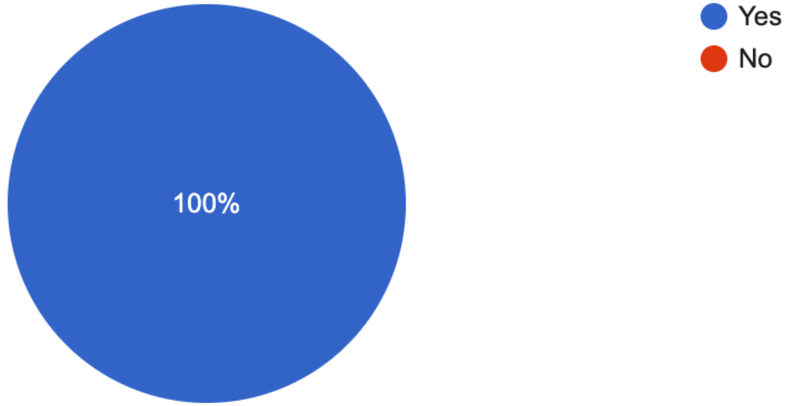
Project Goals

1. Overall, our goals for the project were met! We have a functional platform that supports practice mode, learning mode, and has a leaderboard!

2. If we had more time to work on this project, we would add audio features and keyboard logic for other alphabets!

Did you try finishing a lesson? (Learning Mode or Practice Mode)

7 respuestas



Any suggestions/improvements/comments?

5 respuestas

Works really well. I think only thing is making sure some buttons have the CSS property cursor: pointer when you hover over them (just for back to home page button in lesson). Also, refreshing in a lesson sends you to a 404 so maybe trying to add in a better error page when you get a 404 or redirect to home

Add an "exit" when you are in the practice page like how there is in the learning page.
In learning mode, it might be helpful to implement recognizing the Korean keyboard as well. I switched to Korean thinking that I was supposed to be using it, but it only recognized English.

Have an english translation by the practice mode words

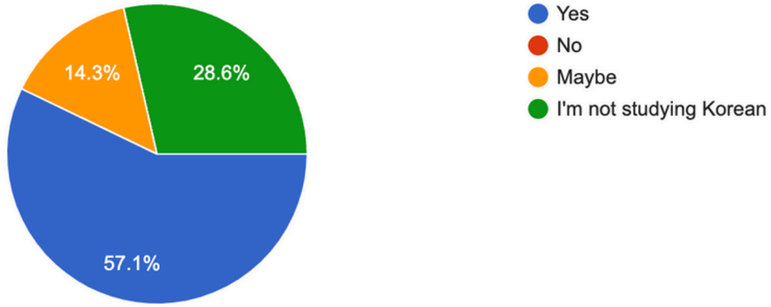
Maybe having an option to get rid of the on screen keyboard (like a toggle)

using spacebar to submit a word didn't feel intuitive (had to read the instructions--which could have been ? to signal that more clearly--to stop pressing return key lol)

Do you think a website like this would've been helpful in your Korean studies?

Copiar gráfico

7 respuestas



Project Demo

Data Safety, Difficulties & Testing

We collect emails and passwords in order to allow users to sign in.

We made sure to ask users if they want to be included in the leaderboard.

One of the difficulties we were faced with was being able to track where minor bugs
were coming from.

Another difficulty was having
ChatGPT generate accurate translations to Korean sentences.

We used Maven for backend testing, and we used Playwright for frontend testing.

Furthermore, we intensively tested our platform manually to ensure that everything works smoothly and as expected.

Potential Benefits and Harms

Benefits

Currently, our platform benefits users who are people interested in learning how to type in a new language in a fun and engaging way.
Furthermore, if we had more time we would have added a “classroom-like” feature to allow language teachers to assign lessons to students.

Harms

Accessibility Issues:
People with disabilities, such as visual or motor impairments, may struggle to use our platform.

Potential for Misinformation:
Incorrect or poorly translated lessons could mislead learners and slow their progress.

Mitigation

Support other input devices other than keyboard, allow users to adjust the size of the font, and implement an accessibility feedback form.

Involve native speakers and translators in content creation to ensure language accuracy.

Questions?

Thank You