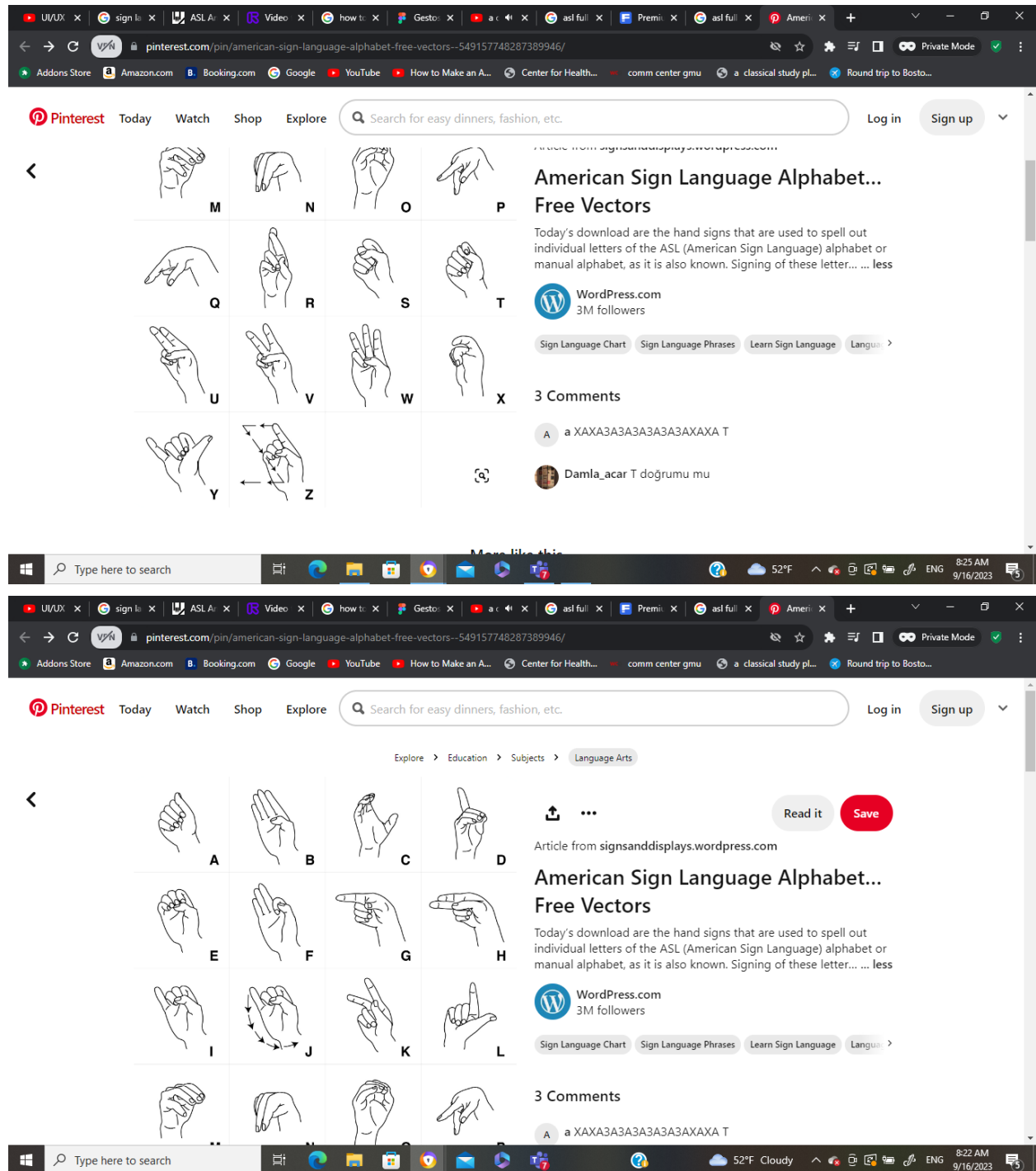


Idea: ASL Learning App - (Similar to Duolingo)

Figma:

<https://www.figma.com/file/9cSMLyrNzTA1fkqehTF8r/ASL-PROJECT-DRAFT?type=design&node-id=0%3A1&mode=design&t=pKCHGROKpjM74PYR-1>

ASL hand image:



<https://www.pinterest.com/pin/american-sign-language-alphabet-free-vectors--549157748287389946/>



Potential Names:

- Signy
- Signly
- Signfluence
- SignGuru
- Ameslan
- VernaAmeslan

Required:

- Name
- Logo
- Project description

Categories:

- Best Ut Prosim hack
- Best Hack supporting DEI

- AWS?
- Best UI/UX Hack
- Finance Category

Users:

- Adults who wants to learn ASL
- Adults with disabilities that wants to update their ASL vocab

Research:

Success rate for ASL Learners using App

ASL learners pain points (What makes it so hard to learn)

- it requires them to stop "thinking straight English" and rely on abstraction and other skills to communicate both dynamically and accurately
- ASL has a grammatically rich, complex construction beyond basics

What are the apps and assistant tools out there for people with hearing disabilities or for learning ASL?

- Updated ASL process
- Types of people with hearing disabilities

Finance Vocab

- <https://managementconsulted.com/financial-terms-guide/>

Financial Dictionary Feature - Each word: (flashcard style)

- Sound
- Hand signs (ASL)
- Examples
- Definition

Career Section

- Interview Questions (sample sign lanague)
- Recruiter Section

ASL jokes

- <https://www.startasl.com/deaf-jokes/>
- <https://www.lifeprint.com/asl101/pages-layout/jokes5.htm>

Top Apps for ASL:

- <https://www.lingvano.com/asl/>
-

Game

- Flip card
- Bingo
- Car race
- Point system
- Frequent notifications - “accountability partner”
- Punishment - losing a streak
- Adding friends → competition?
- leaderboard

AI Generated Videos:

- Warp Fusion
- Coherent → Python notebook

Pitch Draft:

- Facts about deaf population around the world
- Address pain points of language apps
- Insert interactive games and interactive practice/study time with the app using the hand signal recognition to talk
- How impactful will the app be for students and people with disabilities

Cases of ASL miscommunication (Failed examples of fake ASL)

- <https://abc13.com/fake-sign-language-signs-interpreter-derlyn-roberts/2743729/>

Our inspiration draws from the fact that after we shared my ideas about for financial banking, one of the teammates shares her experience in which she has create a model that detects cashs which can be helpful in building model to identify prescriptions. The conversation leads us to finding a lanague that duolingo does not have and whether are there any app/company out there that have done it well. We agreed on the idea of an ASL learning app /web for people who are looking to learn ASL for the first time and for people who have been using ASL for a long time and wanted to expand their vocab through normal.

What it does

Ameslan provides a color playground with many interactive games, career tips, ASL stories, confession forum, and practice with yourself with the help of our developing hand sign recognition model.

How we built it

We started with the idea then did research on such as what are the pain points of the people who have been learning ASL for a long time, why is it hard to continue ASL, why do people give up, ASL grammar, ASL alphabet, ASL career pathways, ... Afterwards, we focused our time in

creating the detailed designs in Figma and produced an ideal prototype. We then learn and try to develop the hand sign recognition model and interate with a mobile app.

We looked into pre-existing applications that teach ASL, and we found that what the users wanted the most was better learning exercises. One of the ways to improve would be having a Machine Learning model that would recognize hand signs and tell them if they doing the hand signs correctly.

Apart from the machine learning model, we also decided to integrate different interactive learning methods like games, learning courses, amongst various others.

Challenges we ran into

We had a hard time learning and creating the hand recognition model and connecting with a mobile app. We learnt things along the way and projects are not finished properly but it is a good start.

Accomplishments that we're proud of

We are proud that we have formed such as collaborative and supporting team as well as have the responsibility as teammate do to learn, grow and doing the work with each other such as staying up late.

What we learned

We have learned to be more prepared and prepared ourself as individual more before entering a hackathon.

What's next for Ameslan - ASL Project