

Human Computer Interaction

ws 2023/2024

LangFun

Introduction and Motivation

- Learning a new language can be tough. People often get bored, can't find ways to practice, struggle with saying words right, and need to talk like they would in real life. That's why we made LangFun. It's a website that turns language learning into something really fun and simple for everyone. We want to help people get past these problems so that picking up a new language feels exciting and easy.
- For our project, we made LangFun, a website that's all about helping people learn new languages in a way that's actually fun. We looked at where people usually have trouble when learning a language and made sure LangFun would help with those things. It's got cool features to keep you interested, tools to help you say words right, and it lets you practice talking like you would with friends. As we keep working on LangFun, we'll listen to what people say they need and keep making it better. We hope it'll be the favorite place for anyone who wants to learn a new language.

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LangFun

Web-App Users

Users

Users

Who ?

Language Learning Enthusiasts

a

Students & Academics

b

Professionals & Business Users

c

Travelers & Expatriates

d

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LangFun

Web-App Users

Users

Users

Usage - Places



Language learners, students, and academics will use LangFun during their study sessions at home, in the library, or on campus.



Professionals and business users might use it in the office during breaks or while commuting.



Travelers and expatriates can use the app on the go, whether they're exploring new places or settling into a new country.

Actions to perform

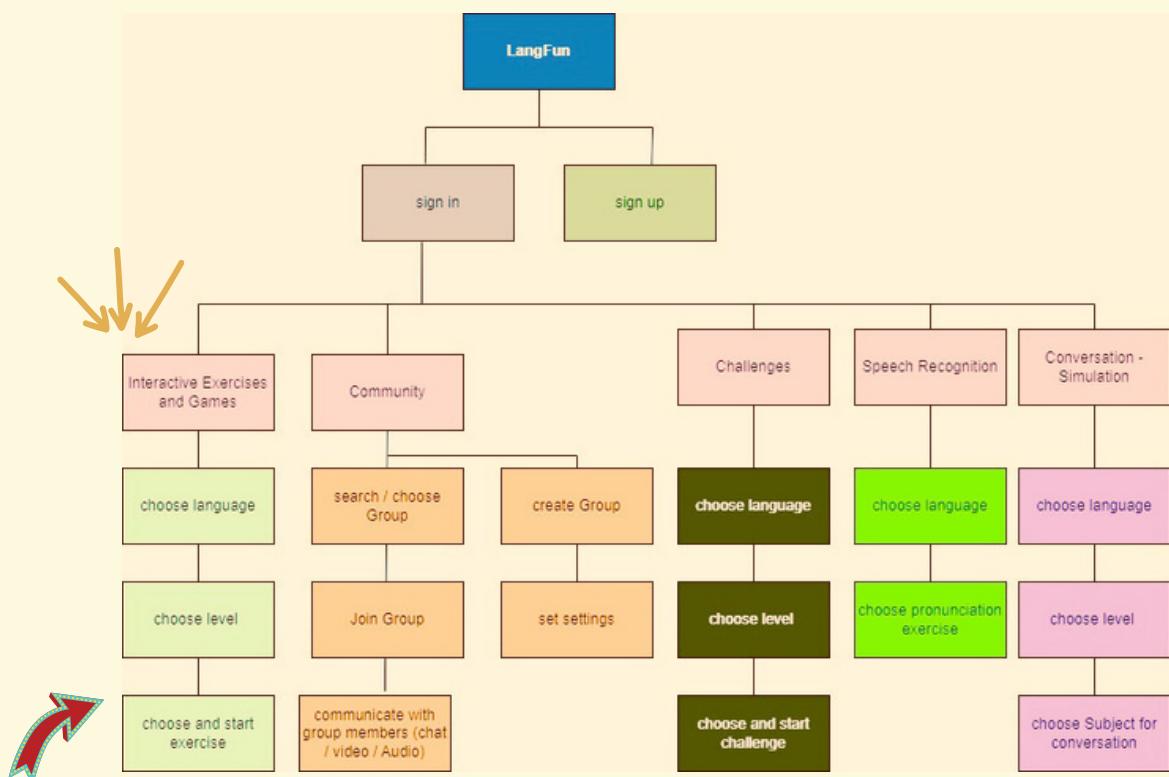
They'll jump into fun lessons that let them click and play, try out quizzes to see what they've learned, and get speaking practice. Students and people who study a lot can use LangFun to help with their classes or to get better at languages for school projects. Folks who work in offices might use it to learn how to talk in different languages for their job. And if you're traveling or moving to a new place, LangFun can teach you the local sayings to help you get around and meet new friends.

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LangFun

HTA Hiarchical Task Analysis



the user flow and possible actions within the LangFun app:

- **Sign In / Sign Up:** First, you either get into your LangFun account if you have one, or you make a new one.

Once you're in, you can pick what you want to do:

- **Play with Language:**

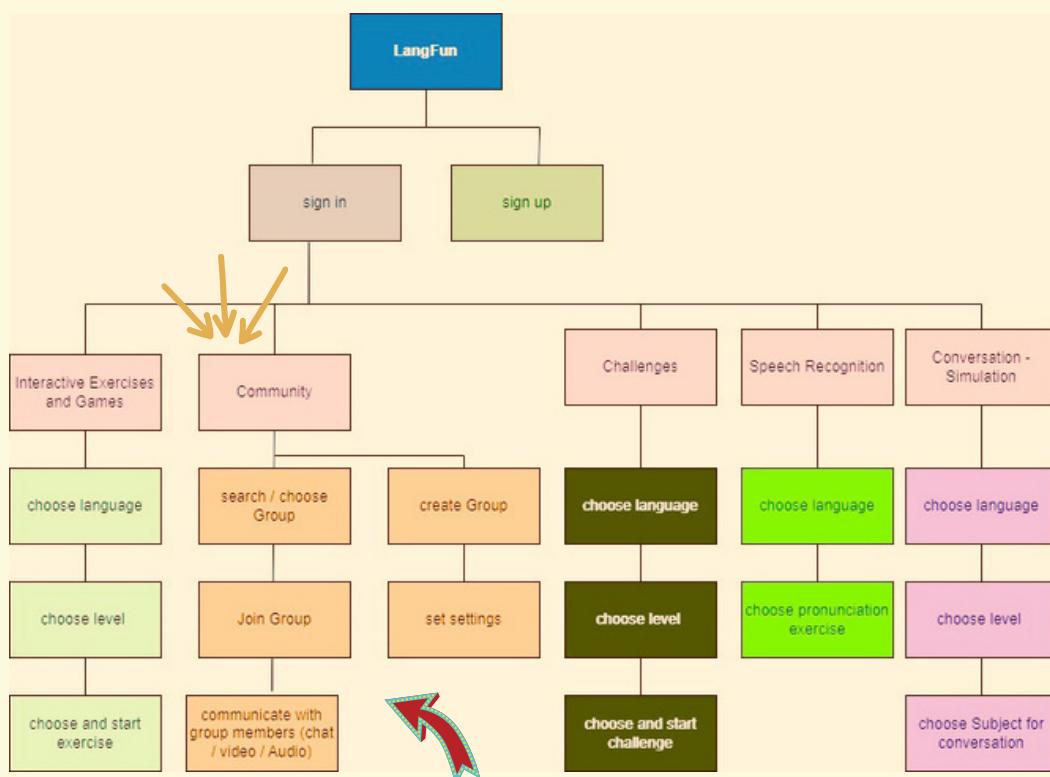
- Pick what language you're learning
- and how much you know already.
- Then you can start fun activities like games or watch videos and listen to sounds that help you learn.

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HTA Hiarchical Task Analysis



the user flow and possible actions within the LangFun app:

- **Sign In / Sign Up:** First, you either get into your LangFun account if you have one, or you make a new one.

Once you're in, you can pick what you want to do:

- **Hang Out with Others:**

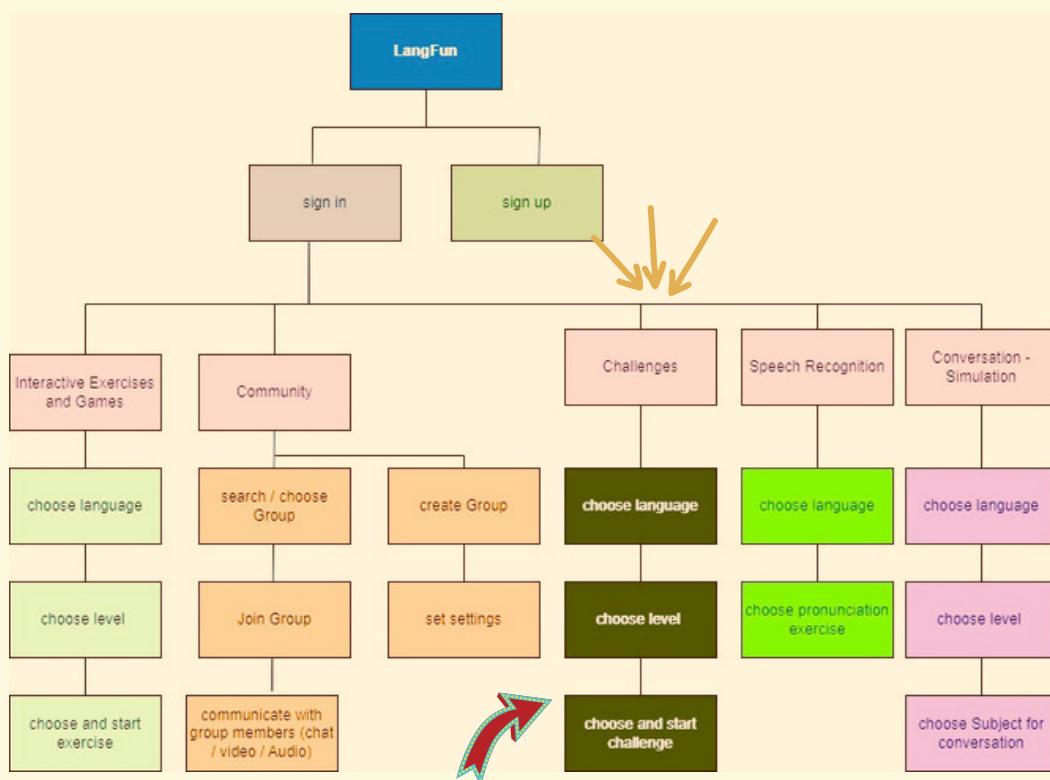
- You can find other people who are learning languages too. Join a group that's already talking,
- or start a new one.
- You all can help each other out by chatting.

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HTA Hiarchical Task Analysis



the user flow and possible actions within the LangFun app:

- **Sign In / Sign Up:** First, you either get into your LangFun account if you have one, or you make a new one.

Once you're in, you can pick what you want to do:

- **Take on a Challenge:**

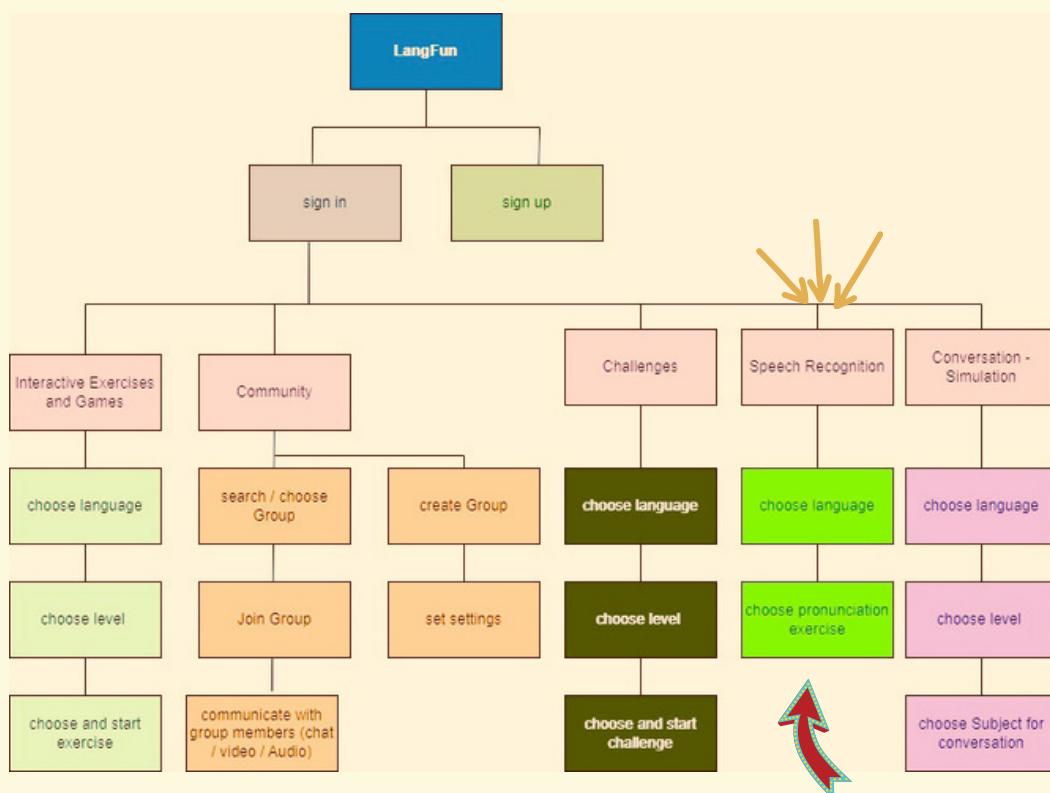
- Pick your language
- and how hard you want it to be
- , and try doing some language tasks. It could be like a fun contest with others who are learning too.

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the user flow and possible actions within the LangFun app:

- **Sign In / Sign Up:** First, you either get into your LangFun account if you have one, or you make a new one.

Once you're in, you can pick what you want to do:

- **Say It Right:**

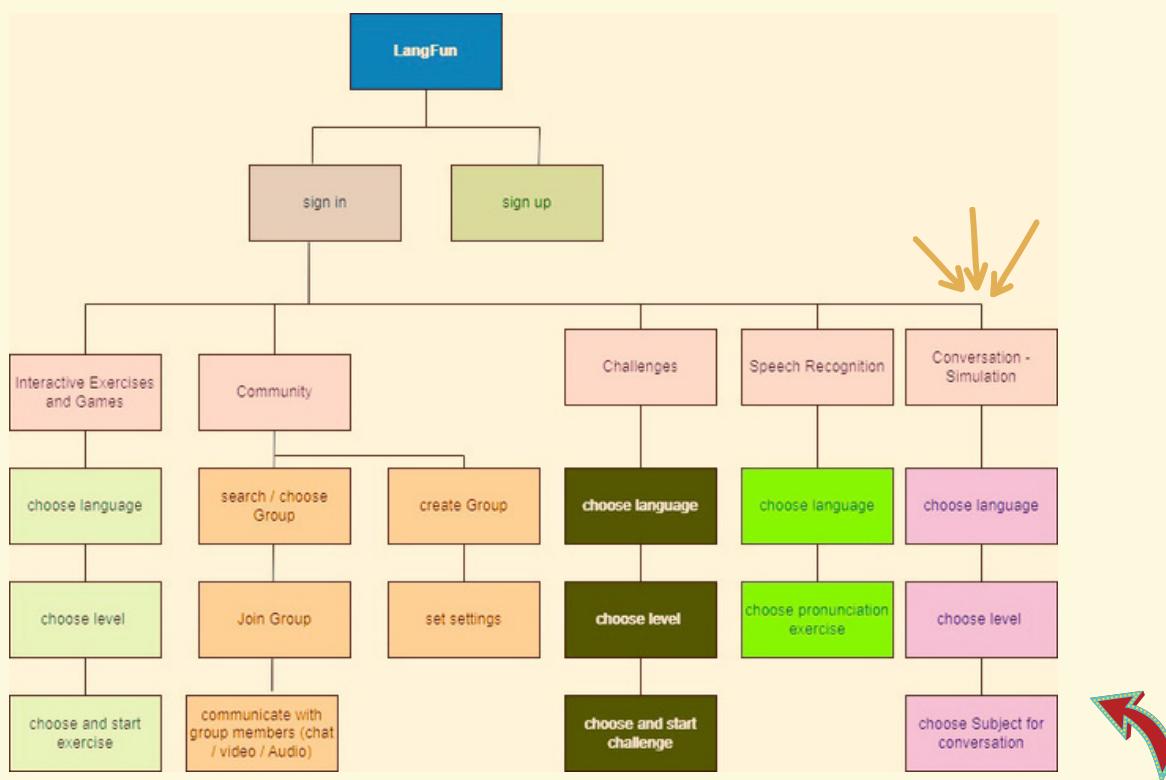
- Choose a language
- and say some words out loud. The app will tell you if you're saying them right and help you get better.

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HTA Hiarchical Task Analysis



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- **Sign In / Sign Up:** First, you either get into your LangFun account if you have one, or you make a new one.

Once you're in, you can pick what you want to do:

- **Talk Like You Would in Real Life:**

- Choose your language
- and how well you know it,
- and pick a topic you want to talk about. Then, you can practice talking as if you were in a real conversation.

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User Requirements:

We talked to lots of people and asked them questions about learning languages. To see everything they told us, we've got a full report.

Who can use LangFun:

For All Ages: You could be 10 or 100 – it's for you.

For Every Gender: Boys, girls, anyone at all – you're all welcome.

No Matter Your Schooling: whether you've been in school for a little while or a long time.

Speaks Your Language: any language.

Easy to Get: As long as you can go online, you can use LangFun, even if getting around is tough for you.

Excited or Just Looking: Really into languages or just checking it out – this app has something for you.

What makes the app easy to use:

It's simple to understand, to use and you won't get lost trying to figure it out.

You can just start using it; no need to learn lots of steps first.

If you make a mistake, you can fix it with no fuss.

You can change how it looks and works so it feels just right for you.

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User Requirements:

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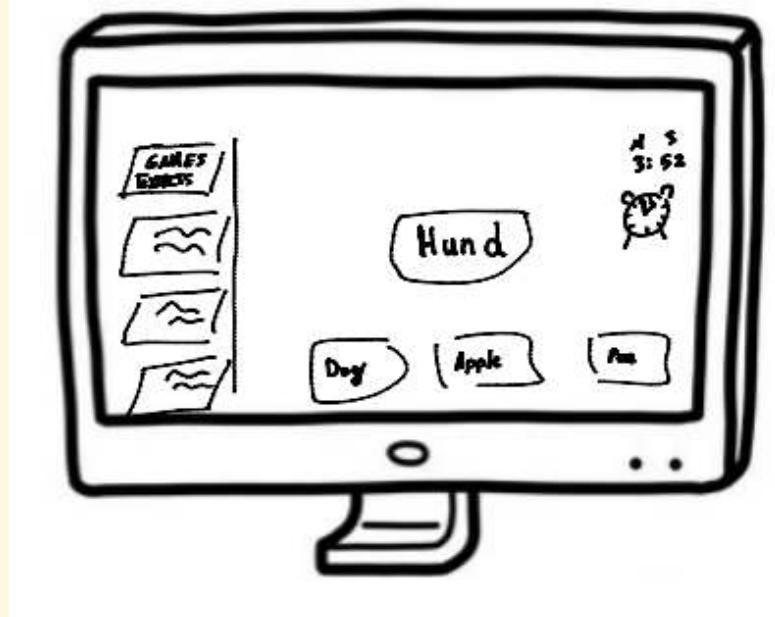
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Lo-Fi Prototype - WebApp

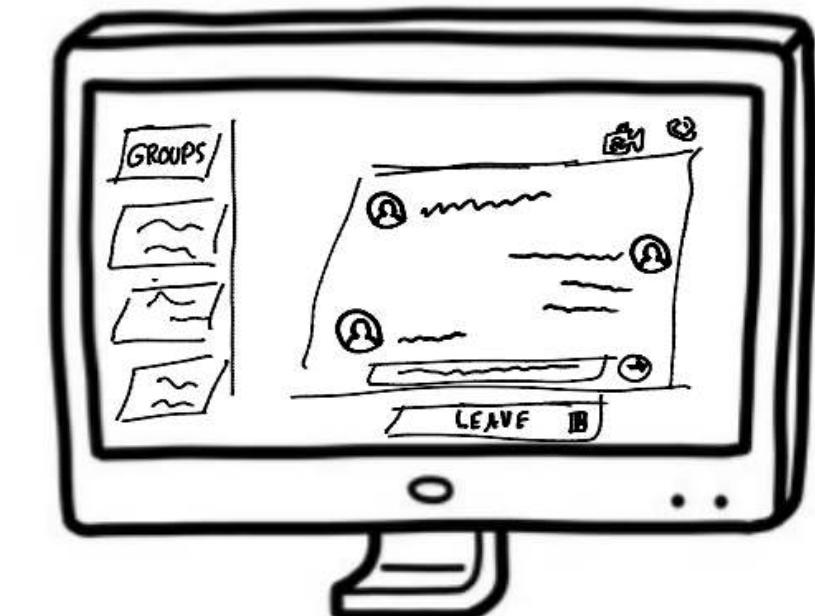
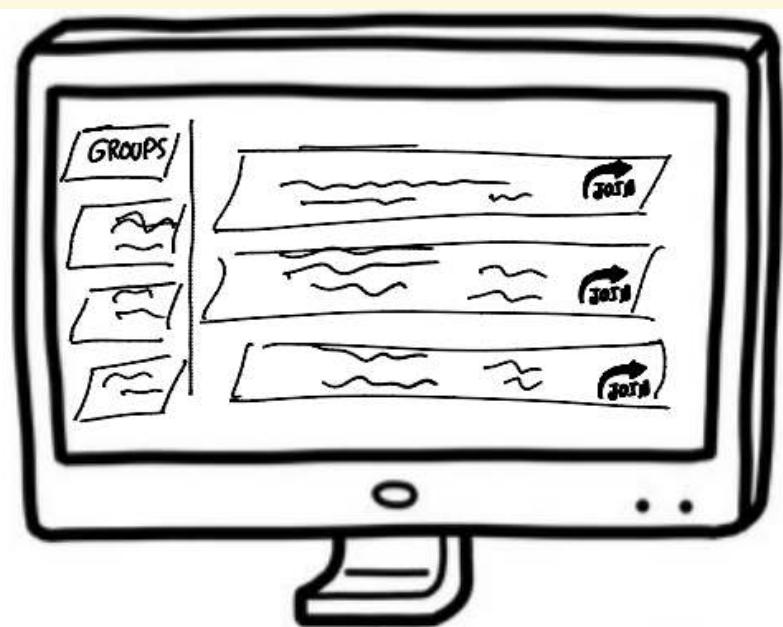


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Lo-Fi Prototype - WebApp

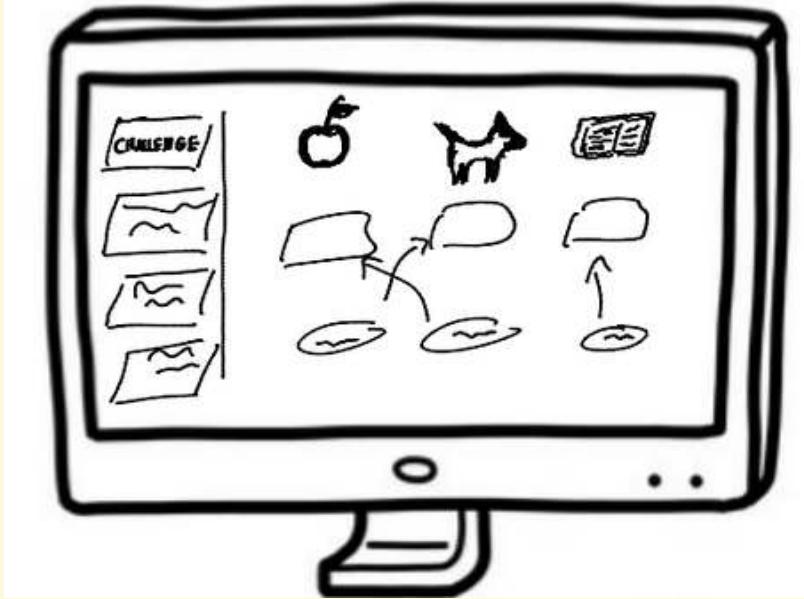
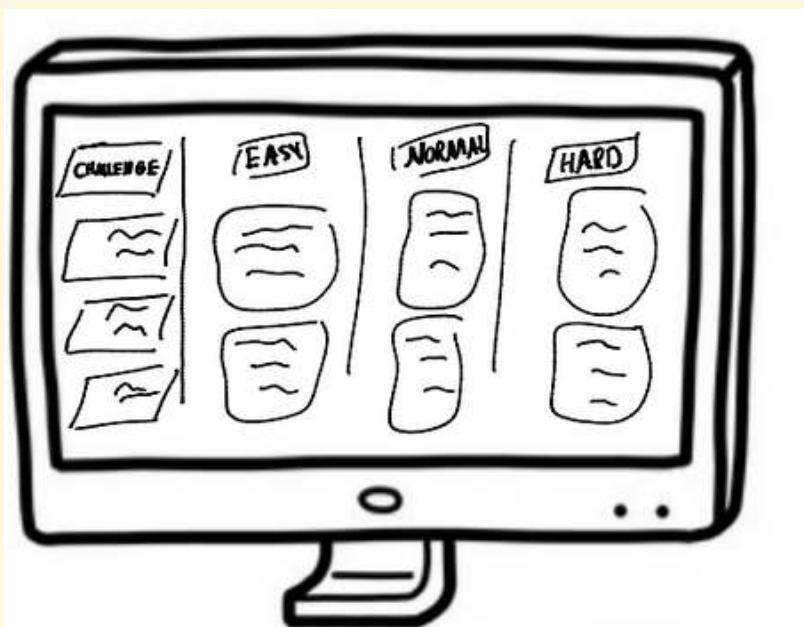


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Lo-Fi Prototype - WebApp



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Survey :

We talked to lots of people and asked them questions through **interviews** about learning languages.

To see everything they told us, we've got a full report.

1. Ever Learned a Language?

- # Yeah, I've tried before.
- # No, this is my first time.

2. Which Language Do You Want to Learn?

- What language are you looking forward to learning? (Just write the one you like!)

3. Games for Learning

Question : Do you think games make learning cooler?

- # Totally, love them!
- # They're okay.
- # Not really, I like usual ways of learning.

4. Talking to Other Learners

Question : How about talking to other people who are learning, too?

- # Great idea, I'm all for it!
- # Might be good, I'm willing to try.
- # I'd rather learn by myself.

5. Pronouncing Words Right

Question : Is it super important for you to say words just right?

- # Yes, I want to sound like I'm from there.
- # Kind of, but it's not the only thing that matters.
- # Not much, as long as people get what I'm saying.

6. Your Own Learning Plan

Question : Want the app to help you figure out what to learn and when?

- # Yes, that would be awesome!
- # I'd like to pick some things myself, too.
- # No, I like making my own plan.

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Survey :

We talked to alots of people and asked them questions through **interviews** about learning languages.

To see everything they told us, we've got a full report.

7. Learning About Culture

Qusetion : How much do you want to learn about the places where they speak the language?

- # A lot – it's part of the fun!
- # It's cool to know.
- # I'm just here for the language.

8. New Things to Do Every Day

Question : How do you feel about getting something new to learn each day?

- # Yes, keeps me on my toes!
- # I might try it.
- # I don't want to be rushed.

9. Talking in Real Situations

Question : Ready to start talking like you're actually there?

- # Can't wait, let's talk!
- # I want a little practice first.
- # Maybe later when I'm ready.

10. Listening to the Language

Question : Does hearing the language help you learn it?

- # Yes, I need to hear it!
- # It helps, along with other stuff.
- # I like to read and write more.

Additional Questions:

11. Tell us about how you like to learn best. Do you enjoy reading, listening, or maybe speaking?

12. Can you describe a fun game that helped you remember something?

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Survey Results:

Some people have tried learning languages before, but for others, it's all new.

Everyone's got a favorite language they're excited about, maybe because of movies, songs, or places they want to visit.

Games seem to make learning a lot more fun for most folks. They keep things interesting.

A lot of learners think it's cool to chat and make friends with others who are learning too.

Getting the words right is important for many. They want to make sure others understand them and maybe even sound like they're from that place.

Many would like some help figuring out what to learn next, but there are also people who want to decide for themselves.

Learning about the way people live in places where the language is spoken is something lots of folks find exciting.

Having something new to learn each day is something a lot of people look forward to.

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Survey Results:

The idea of actually talking in the new language is exciting for some but a bit scary for others. They want to take it step by step.

Listening to the language is really helpful for most people. It helps them learn better.

When asked how they like to learn, people might mention different things like enjoying stories, needing pictures, or repeating phrases out loud. Some people learn best by teaching others.

Talking about fun memory games, folks might remember ones with catchy tunes, fast-paced games, or games where they matched pictures with words. Everyone might have a special game that helped them remember things well.

Having something new to learn each day is something a lot of people look forward to.

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Explore Our Vision Our Team Member Login Sign Up

Create Your Account

Join Our Community!

Enter User Name

Enter Your Email

Enter Email Address

Enter Your Password

Create a Password

Confirm Your Password

Register



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Explore Our Vision Our Team Member Login Sign Up

Log In

Join Our Community!

Enter Your Email

Enter Email Address

Enter Your Password

Create a Password

Log In



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Explore Our Vision Our Team Member Login Sign Up

Create Your Account

Join Our Community!

Enter User Name
 Ahmad

Enter Your Email
 ahmadaliakhi@gmail.com

Enter Email Address

Enter Your Password

Confirm Your Password

Register



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Explore Our Vision Our Team Member Login Sign Up

Log In

Join Our Community!

Enter Your Email
 ahmadaliakhi@gmail.com

Enter Email Address

Enter Your Password

Confirm Your Password

Log In



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Games



The screenshot shows the LangFun homepage with a dark header. On the left, a sidebar lists 'Overview', 'Exercises & Games', 'Community', 'Challenges', 'Speech Recognition', and 'Conversation Simulation'. The main area features two sections: 'Educational Games' (Word Safari, Grammar Quest, Flashcard Flip) and 'Educational Exercises' (English, German, Spanish, French, Arabic). Each language has a 'Start' button.

A screenshot of the 'Flashcard Flip' game. It shows a timer at 02:00. A German word 'Hund' is displayed, and three options are shown: 'Cat', 'Dog', and 'Bird'. The 'Dog' option is highlighted in green.

A screenshot of the 'Flashcard Flip' game after a correct answer. The timer is at 01:45. The German word 'Hund' is shown again, and the correct option 'Dog' is highlighted in green. A green arrow points to the right, indicating the flow to the next round.

A screenshot of the 'Flashcard Flip' game in Round 3. The timer is at 01:07. A German word 'Blau' is displayed, and three options are shown: 'Blue', 'Green', and 'Red'. The 'Blue' option is highlighted in green.

A screenshot of the 'Flashcard Flip' game in Round 3 after a wrong answer. The timer is at 00:23. The German word 'Blau' is shown again, and the wrong option 'Red' is highlighted in red. A green arrow points to the right, indicating the flow to the next section.

Exercises



The screenshot shows the 'Educational Exercises' section of the LangFun homepage. It includes a search bar and a 'Filter Exercises by Language Levels' section with buttons for A1, A2, B1, B2, C1, and C2. Below are three categories: 'German Foundations', 'Conversational Fluency', and 'Mastery and Literature', each with a 'Start' button.

A screenshot of the 'Educational Exercises' section after filtering by language levels. The 'German Foundations' category is selected. It shows three sub-sections: 'German Foundations', 'Numbers and Colors', and 'Greetings and Introductions', each with a 'Start' button.

A screenshot of the 'Numbers and Colors' exercise section. It displays numbers from 0 to 10 in German ('Null', 'Eins', 'Zwei', 'Drei', 'Vier', 'Fünf', 'Sechs', 'Sieben', 'Acht', 'Neun', 'Zehn') with corresponding large numerals and colored circles. A 'Next' button is at the bottom right.

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Group Channels

Groups Channels

- Arabic Connection Circle
- English Conversation Club
- French Language Learning Hub
- German Language Exchange Community

Create Group +

Group Chat

English Conversation Club

Type a new message...

Leave Group Chat

Group Chat

English Conversation Club

Type a new message...

Leave Group Chat

Create Group

Groups Channels

- Arabic Connection Circle
- English Conversation Club
- French Language Learning Hub
- German Language Exchange Community

Create Group +

Create New Group

Group Language: Spanish

Group Name: Spanish Speaking Society

Group Description: Give into the Spanish language with fellow learners through interactive video calls, discussion groups, and collaborative projects to improve fluency and understanding of Spanish-speaking cultures.

+

Create New Group

New Group Creation Done!

Finish

Challenges

Challenges

Easy

Normal

Hard

Listen & Learn

Vocabulary Vault

Grammar Fix

Reading Rendezvous

Write Right

Sort the Dialogue

Start

Start

Start

Start

Vocabulary Vault

For which language would you like to do this challenge?

German

Start Challenge

Vocabulary Vault

Progress: 37%

Match each German word with the correct image to build your vocabulary.

Apfel

Hund

Buch

Quit Challenge

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Speech Recognition ➡

The first screenshot shows the 'Speech Recognition' page with 'English' selected as the language and 'A1' as the level, with a large teal 'Start' button. The second screenshot shows the same page but with 'French' selected. The third screenshot shows a 'Correction Feedback' box with French text about word emphasis and a 'Continue Reading' button.

Conv-Simulation ➡

The first screenshot shows the 'Conversation Simulation' page with 'English' selected and various topics like Sport, Technology, Food, etc., listed. The second screenshot shows the same page with 'French' selected. The third screenshot shows a blue speech bubble icon and a 'Restart Simulation' button.

You can try the App by your self
visit the link

