

# Sign-Sync

## User Manual Document (Demo 4)



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# Sign Sync

Sign Sync is a web application developed by the University of Pretoria student group, Apollo Projects with the external company Gendac acting as the client. Sign Sync is designed for all users but at the core is a communication tool meant to bridge the gap between those that understand and make primary use of sign language and those that do not. Sign Sync offers real time translations between signed languages like ASL and text or speech.

## What SignSync Does

- Converts spoken or typed words into sign language animations
- Converts sign language into spoken words or text

## Key Benefits

- Real-time translation between speech and sign language
  - Works on computers, tablets, and smartphones
  - Customizable settings for individual needs
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# Getting Started

While SignSync does not require an account to be used, it is heavily recommended to set one up as you will have access to customizable features

## Creating Your Account

1. Click the "Sign Up" button
  2. Enter your:
    - Email address
    - Secure password
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# Using SignSync

## Speech to Sign Language

1. Click the microphone icon
2. Speak clearly into your microphone
3. The system will display sign language animations

## Sign Language to Speech

1. Click the camera icon
  2. Position your hands clearly in view
  3. The system will convert signs to spoken words
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# Customizing Your Experience

1. Click the gear icon (Settings)
  2. Customize:
    - Avatar appearance
    - Translation speed
    - Font size
    - Display themes
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## Troubleshooting Common Issues

### Camera not showing

- Ensure that your camera permissions are allowed for the website
- Click the camera icon to the left of the URL

### No speech input

- Ensure that sight has permission to use microphone
- Check system settings to see if your microphone is enabled

### Camera not picking up signs

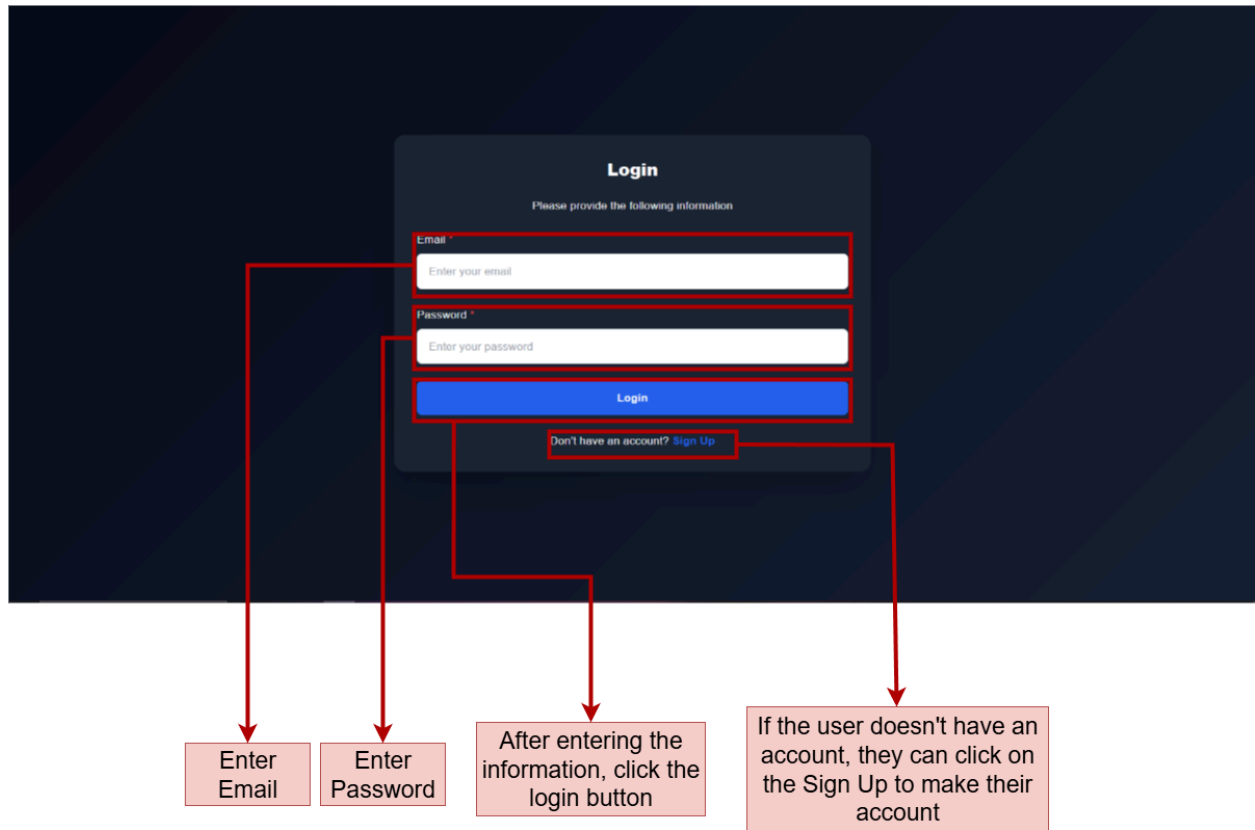
- Ensure that your environment is well lit
- Do not wear gloves

# Page Guide

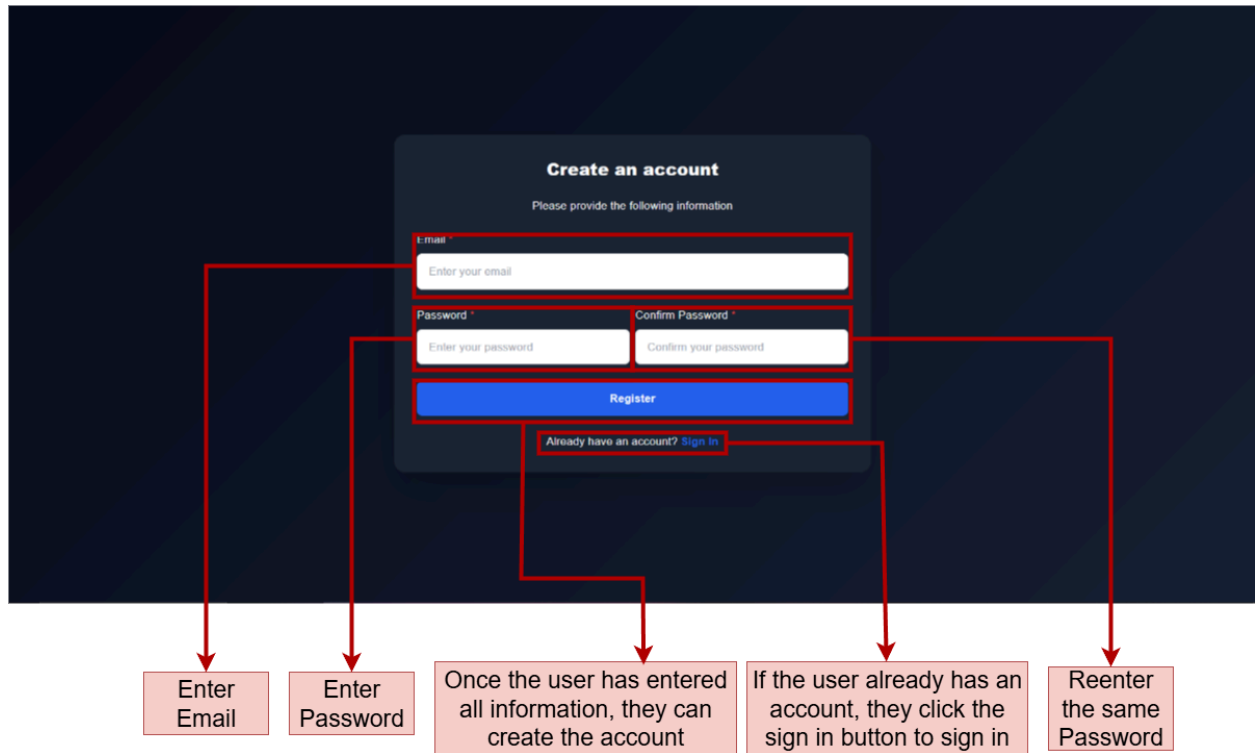
## Landing Page



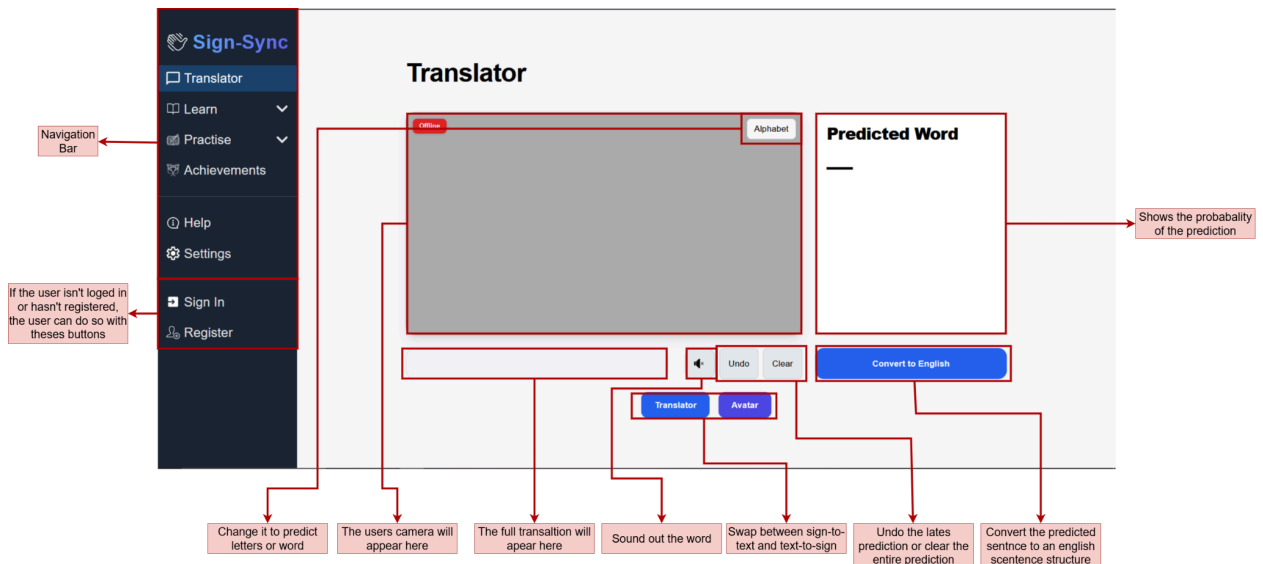
# Login Page

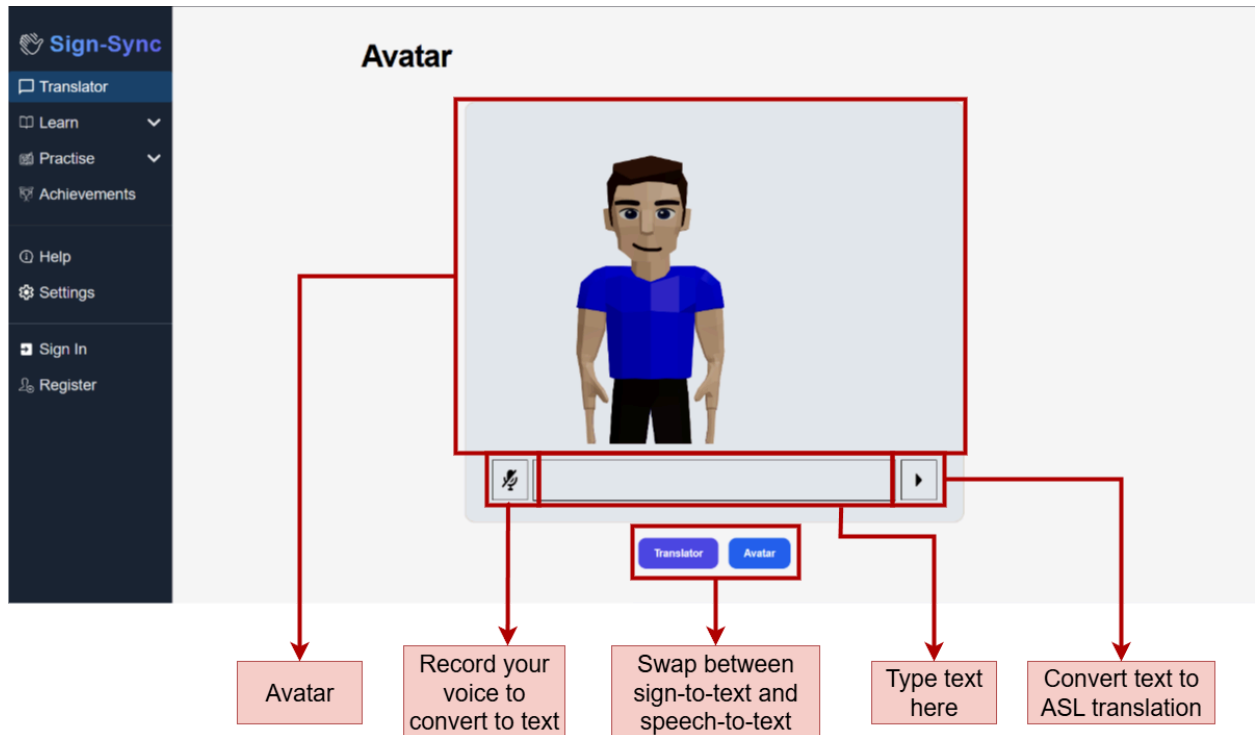


## Register Page

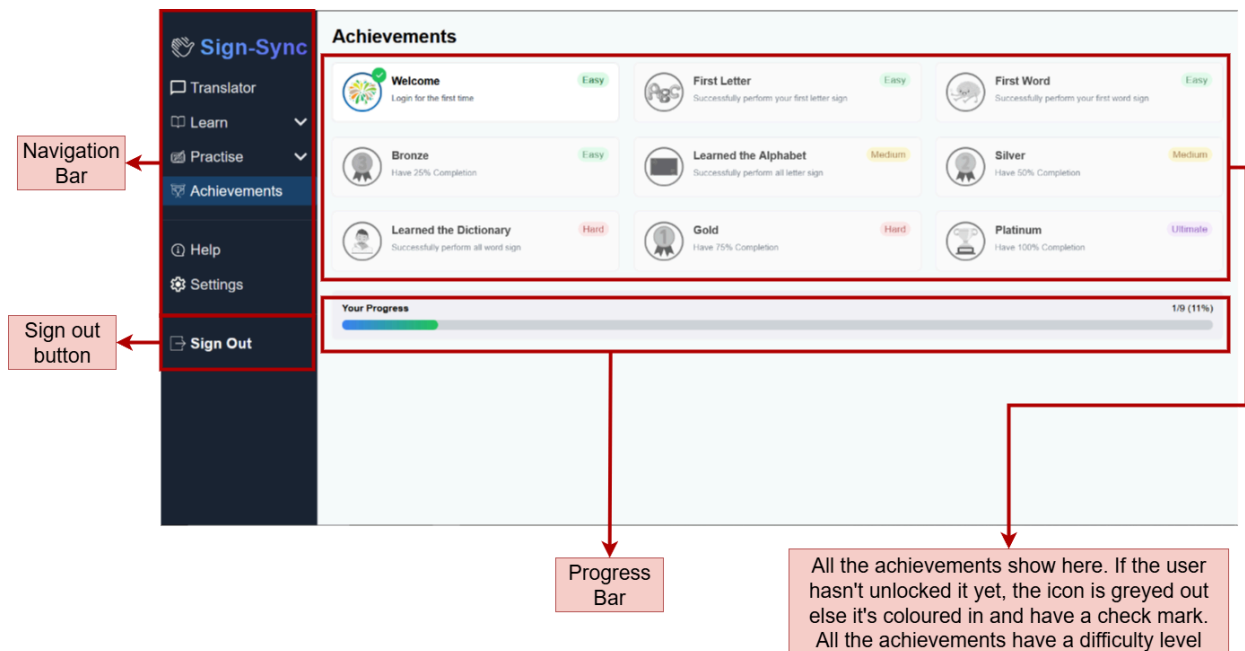


## Translation Page



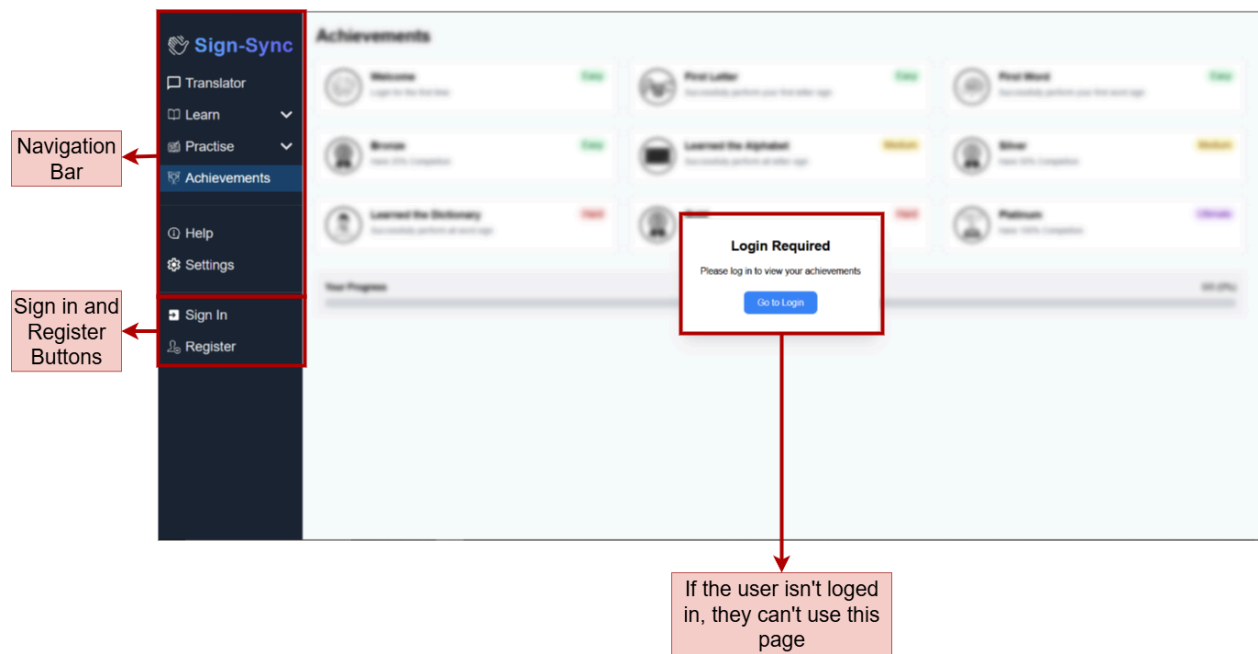


## Achievement Page

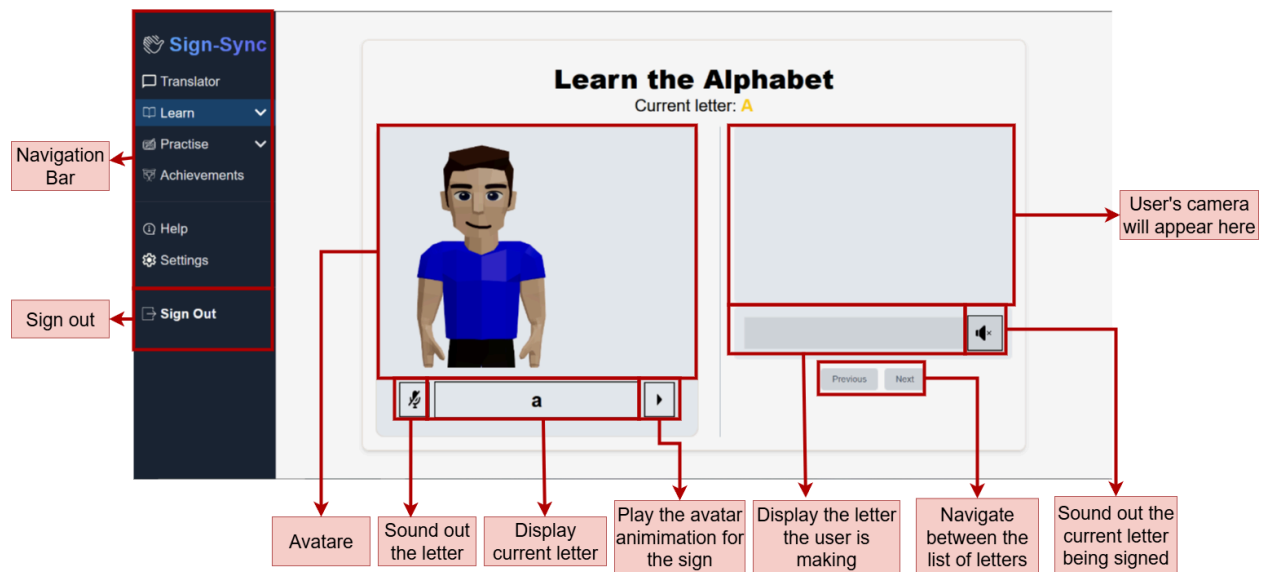




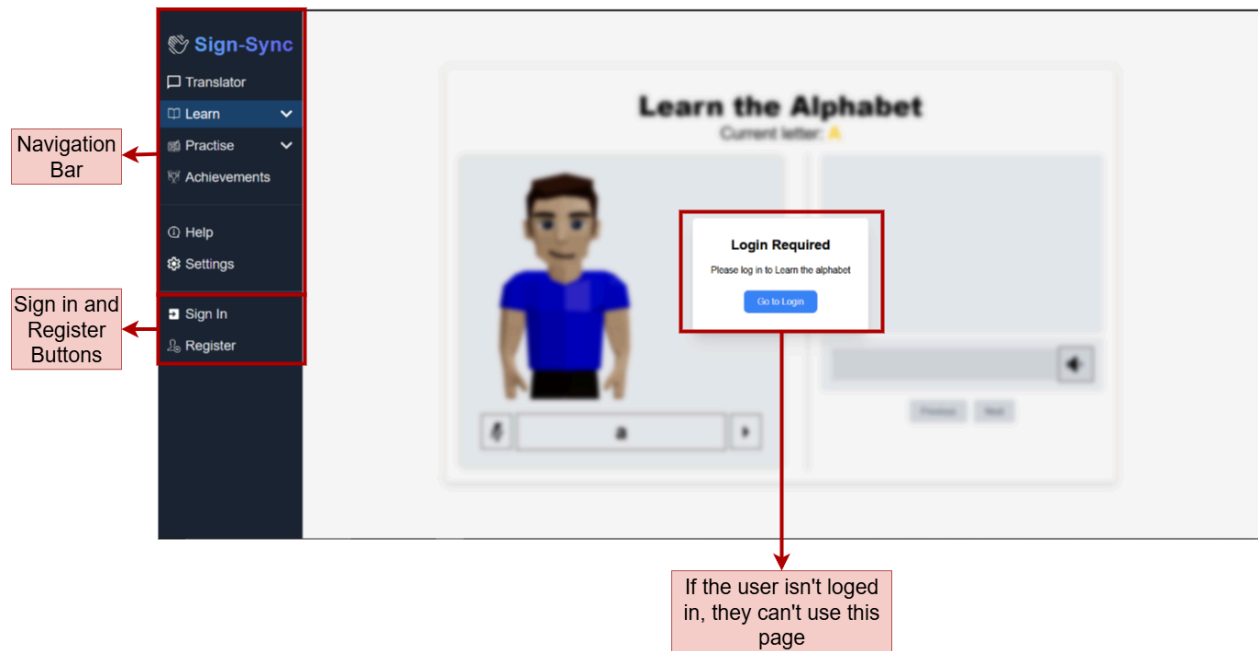
Achievement page for non-logged in users:



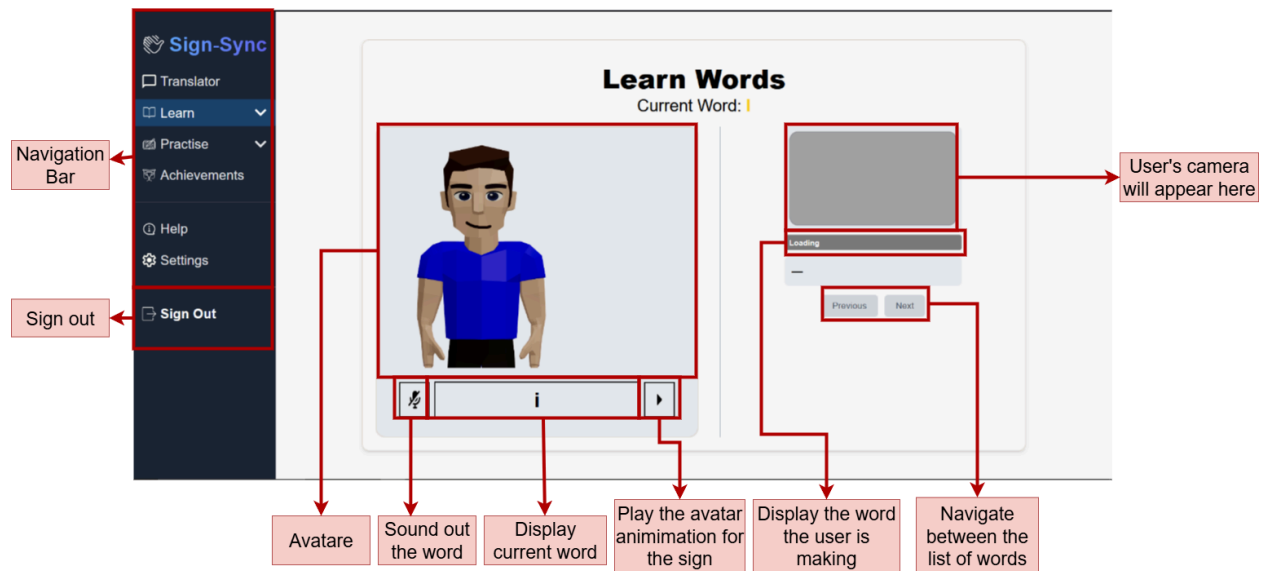
## Learn Alphabet Page



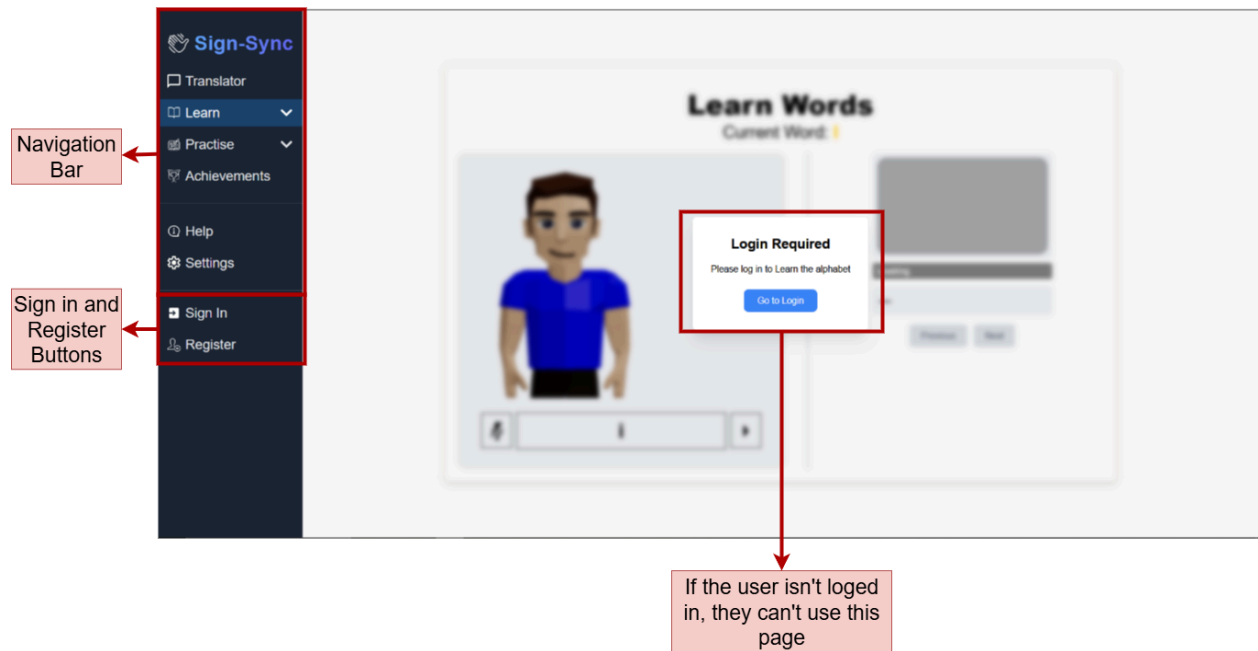
Learn Alphabet page for non-logged in users:



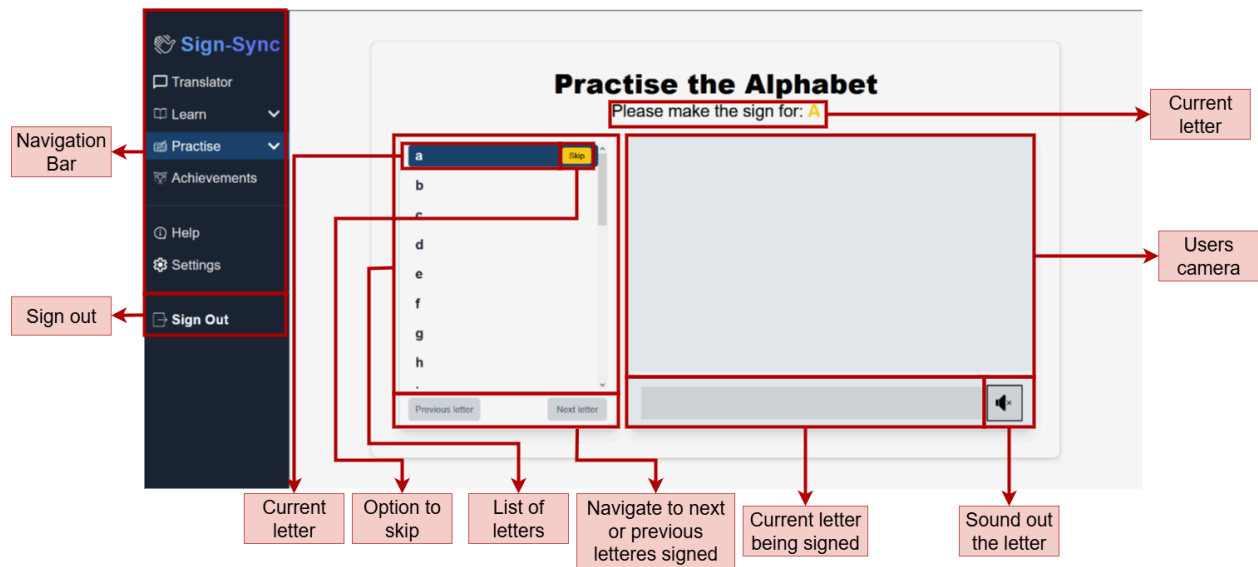
## Learn Word Page



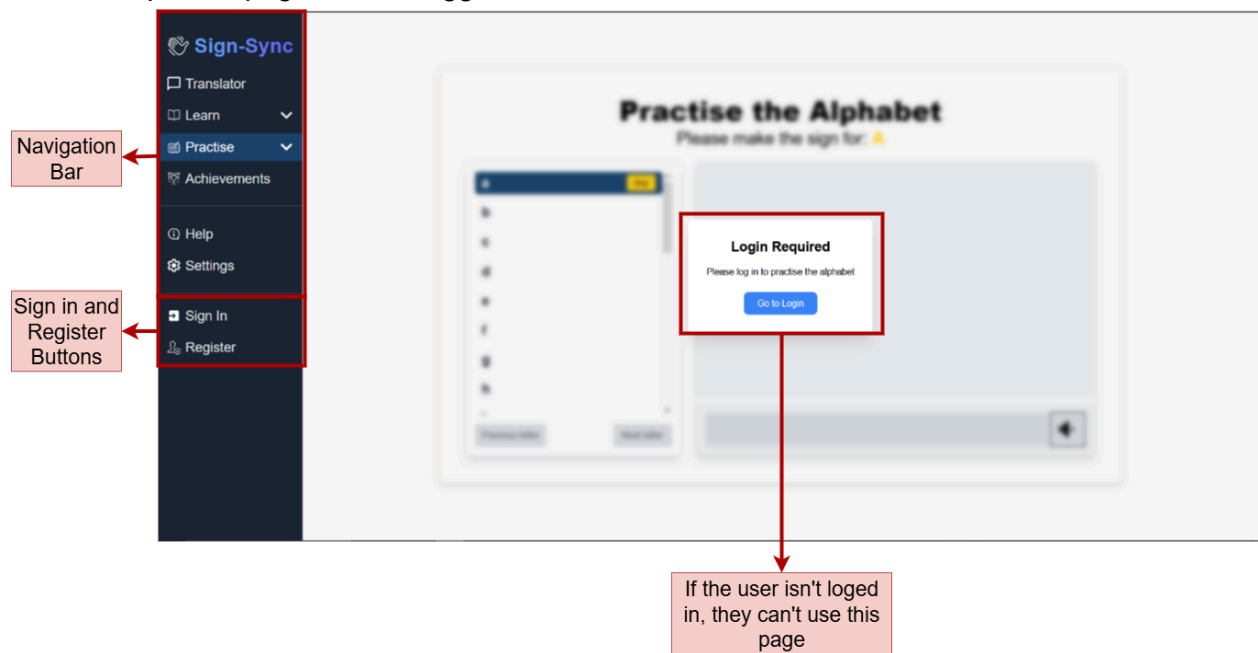
Learn Word page for non-logged in users:



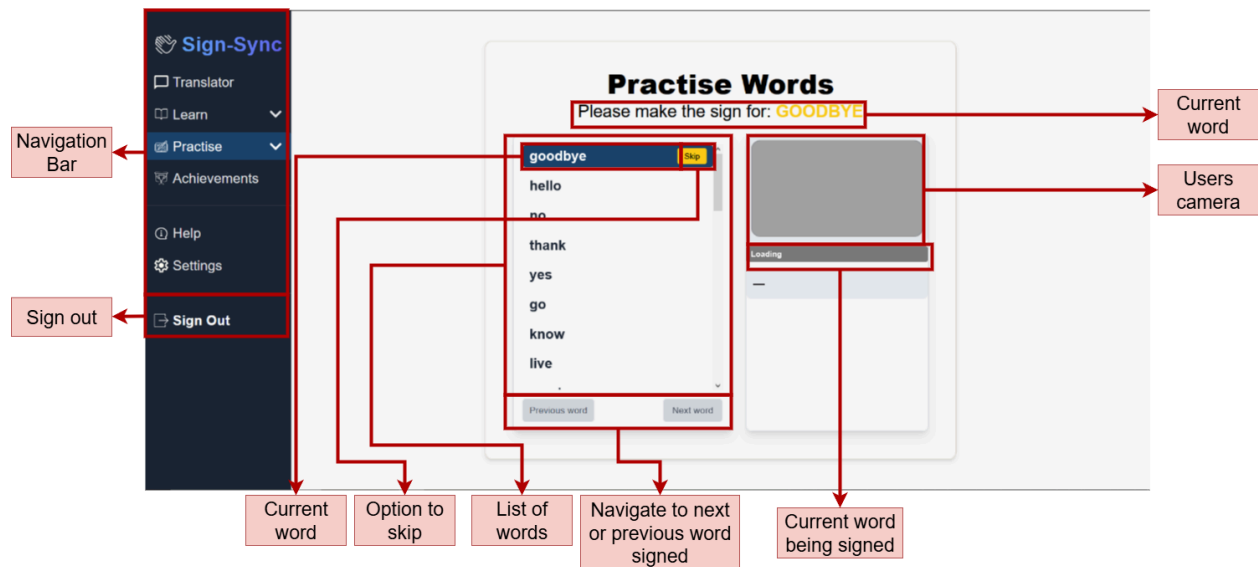
## Practice Alphabet Page



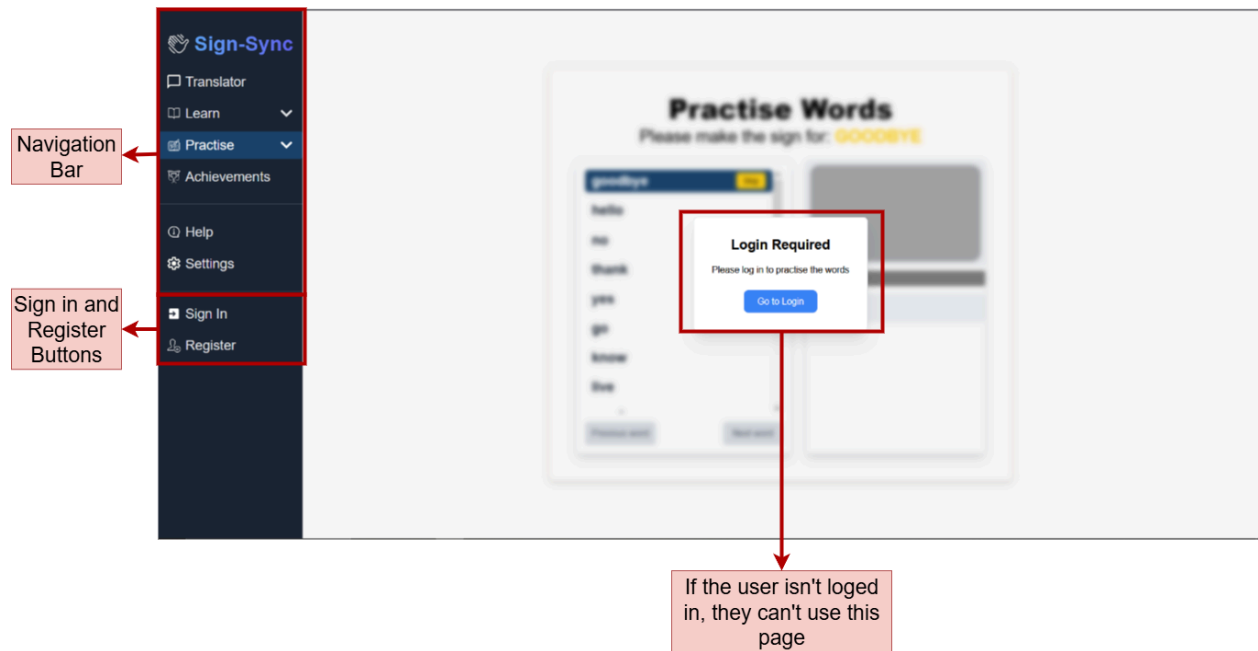
Practice Alphabet page for non-logged in users:



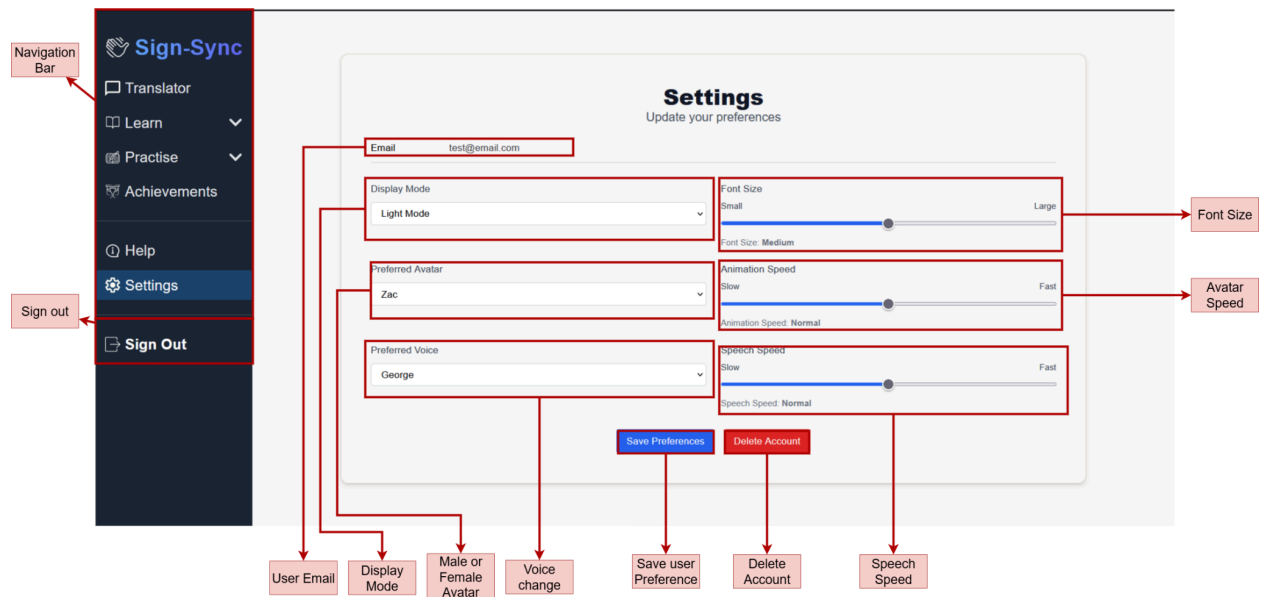
## Practice Word Page



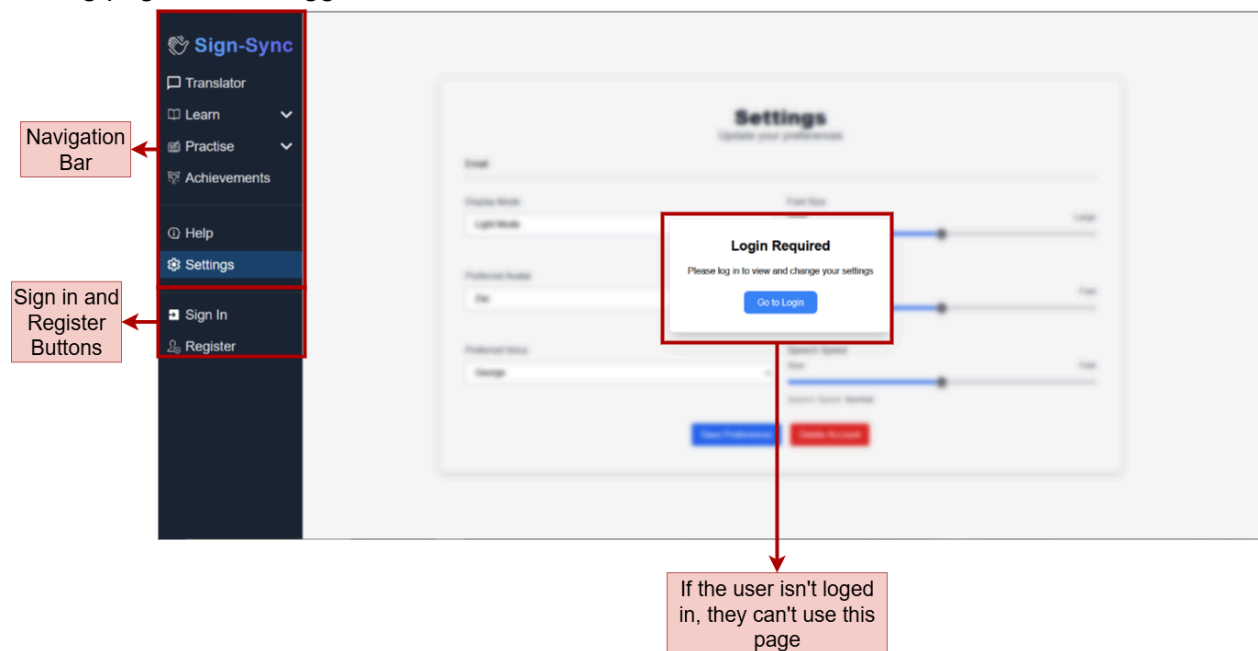
Practice Word page for non-logged in users:



## Settings Page



Setting page for non-logged in users:



## Help Page

