



User Guide for Conversate

HeyanAWS

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Chapter 1

User Guide

This document describes all of the features of Conversate and provides a guide on how to use it.

1.1 Features

This application offers a range of features that use various cloud-based services to implement them. These can be split into five sections: Authentication, Interpreting, Interactive Disambiguation, Transcript Generation, and Accessibility.

When you access Conversate, this is what the application will first look like 1.1. When you load the application, it may appear to have a light theme instead of this dark one. Please do not worry, as this is due to the default theme selection matching the theme of your system (either light or dark) by default. Further information on themes will be discussed later in this guide.

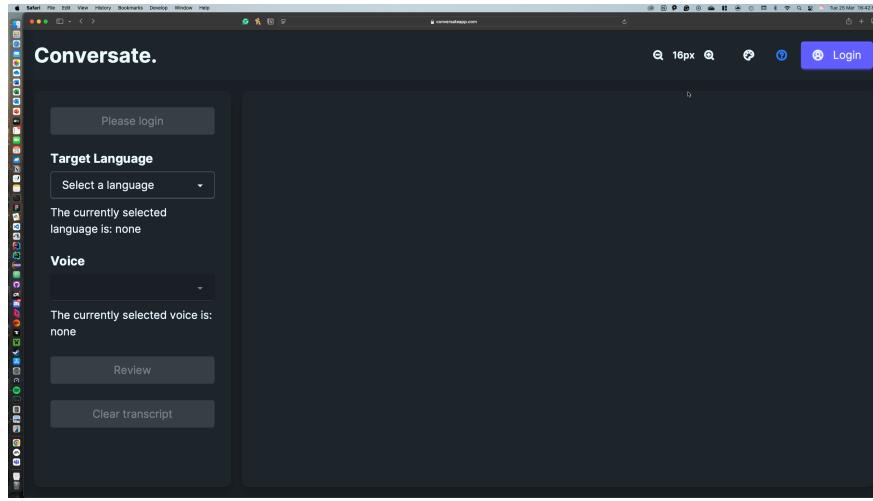


Figure 1.1: Welcome to Conversate

1.1.1 Authentication

We have Microsoft Sign On to allow users to sign into our application. However, it is currently limited to only certain individuals due to the nature of its configuration with AWS and Microsoft. Authorised users will receive separate login credentials. When logging in for the first time, please follow the guidance provided by Microsoft.

Once you have successfully signed in, this is what your screen will look like, and you will be able to use our application freely 1.2.

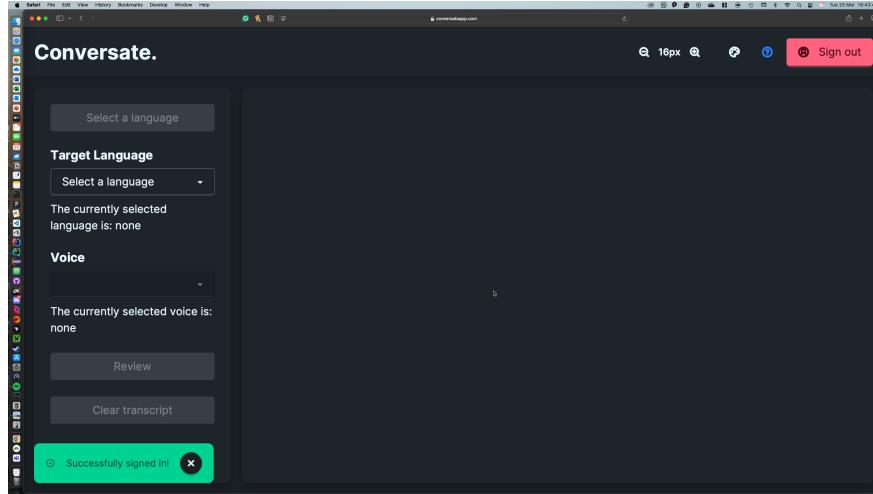


Figure 1.2: After Successful Login

1.1.2 Interpreting

Our application assumes that all conversations are happening face-to-face and one-on-one with an English speaker and a non-English speaker.

To start interpreting your conversation, you first need to select the desired language of your recipient. As shown here 1.3:

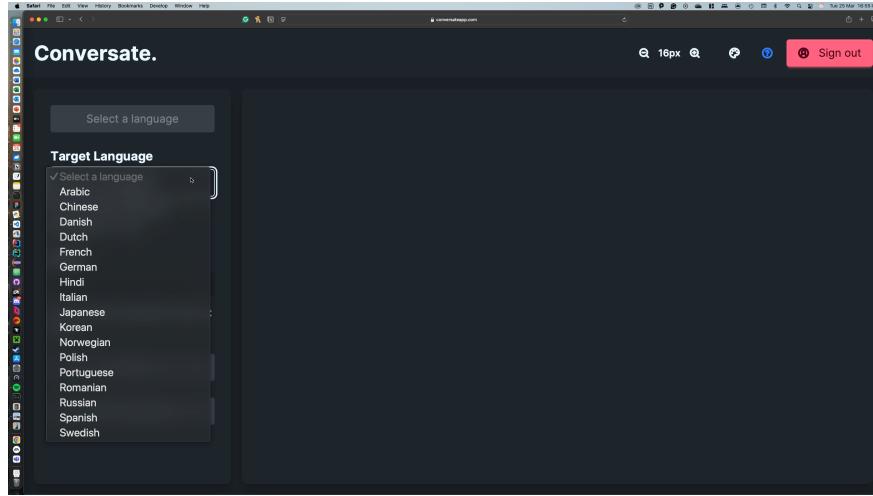


Figure 1.3: Select a Target Language

The text-to-speech service we are using also offers different voice options for some languages. As shown in 1.4, we can see that French has different voice options. Some languages may only have one voice option available.

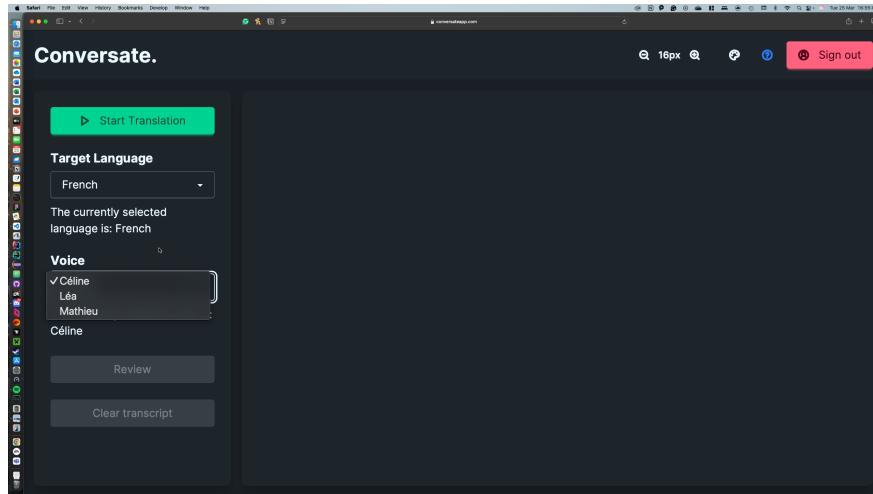


Figure 1.4: French Voice Options

Here is a very short conversation in Arabic which showcases this interpreting happening 1.5. As soon as you click the start translating button, your conversation will start being interpreted.

As you can see, there is a speaker button next to every line. This speaker plays the audio of the non-English text. This allows the non-English speaker to hear the translated version of what the English speaker has just said and carry out a normal conversation flow.

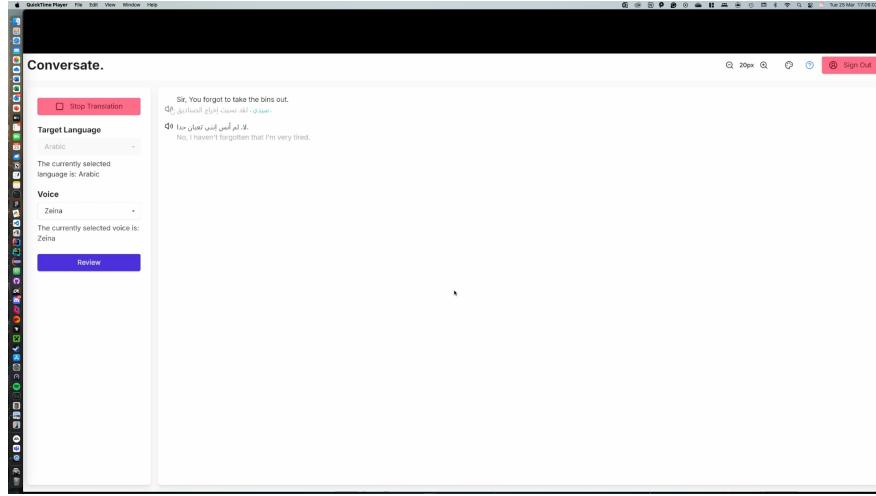
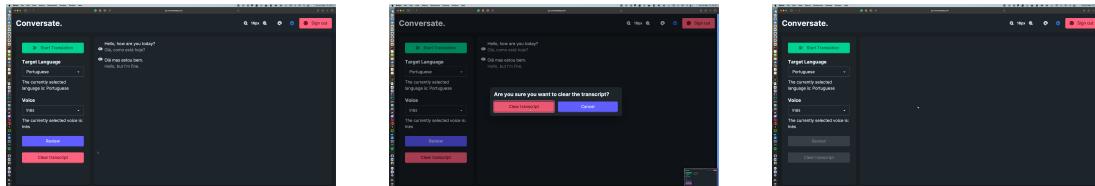


Figure 1.5: Example Usage

At any point, the conversation can be stopped or paused by clicking the stop translation button.

There is also another button which allows users to clear the transcript that is being generated and will prompt the user to make sure they are happy performing this action as it cannot be reversed 1.6.



(a) Transcript Before

(b) Clearing Prompt

(c) Transcript After

Figure 1.6: Clearing the Transcript

1.1.3 Interactive Disambiguation

The transcription may have highlighted certain words in the translation. This is due to our system picking up on potential double meanings and informing the user of the ambiguity 1.7.

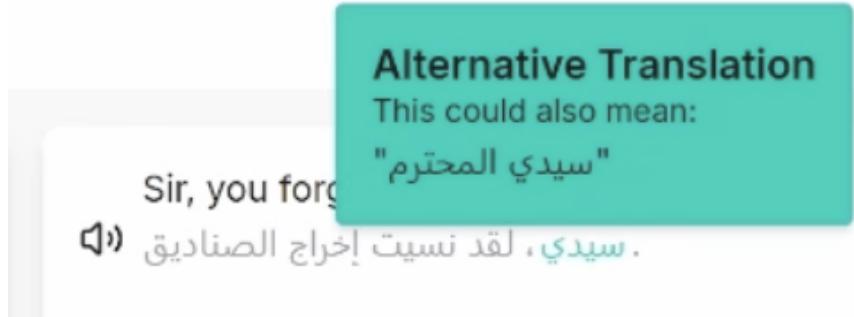


Figure 1.7: Alternative Meaning

1.1.4 Transcript Generation

Once you are happy that this conversation has ended, you can then stop the translation. If you would like to review this translation, add any comments, download or send it to your email, please click the review button.

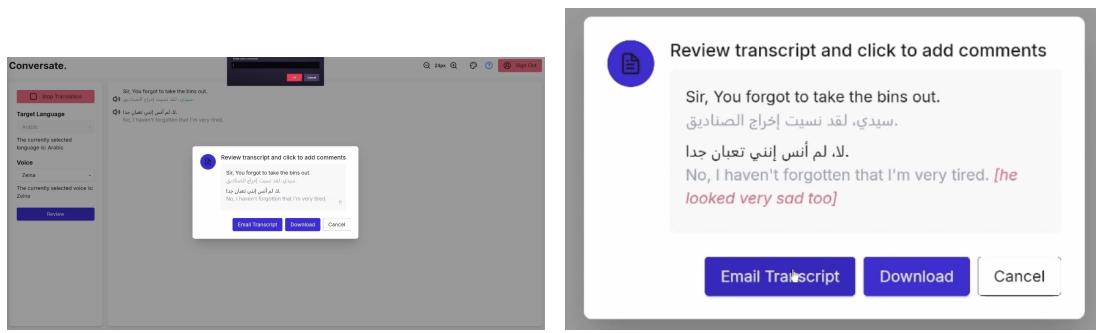


Figure 1.8: Reviewing the Transcript

Once you are happy with this, you are then able to download this transcript as a PDF locally on your device or have the PDF sent directly to your email of the account you logged in with.

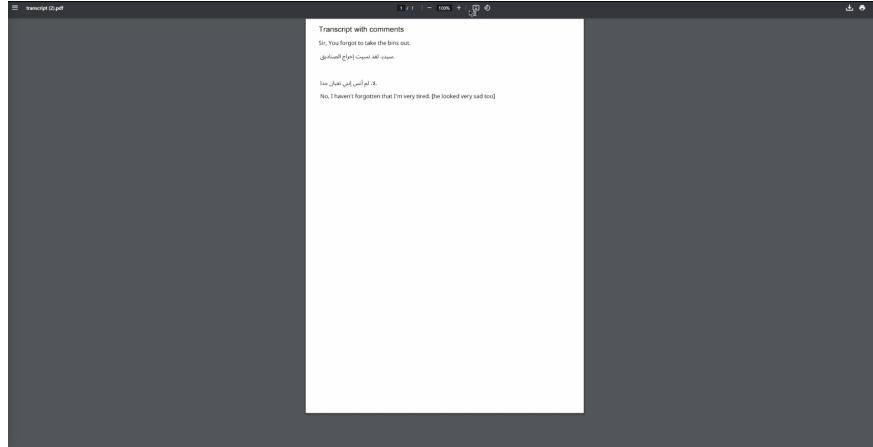


Figure 1.9: Example of a PDF Generated

1.1.5 Accessibility

Conversate was designed to be used by all. Usability was the focus of designing this application. We created an application that is simple and easy to use as well as accessible. Let's take a look at some of these features.

1.1.5.1 Text Sizing

When loading the application, we have set a default text size of 16pt. This can be scaled using the magnifier icons in the top right-hand corner. The range of sizes goes from 10pt up to 24pt. This allows anyone to use our application without needing to strain their eyes. When increasing or decreasing the text size, the application scales proportionally 1.10.



Figure 1.10: Conversate Text Sizing

1.1.5.2 Themes

We know that different users have different needs and preferences when viewing websites. Conversate comes with a range of options available to cater to these differences 1.11.

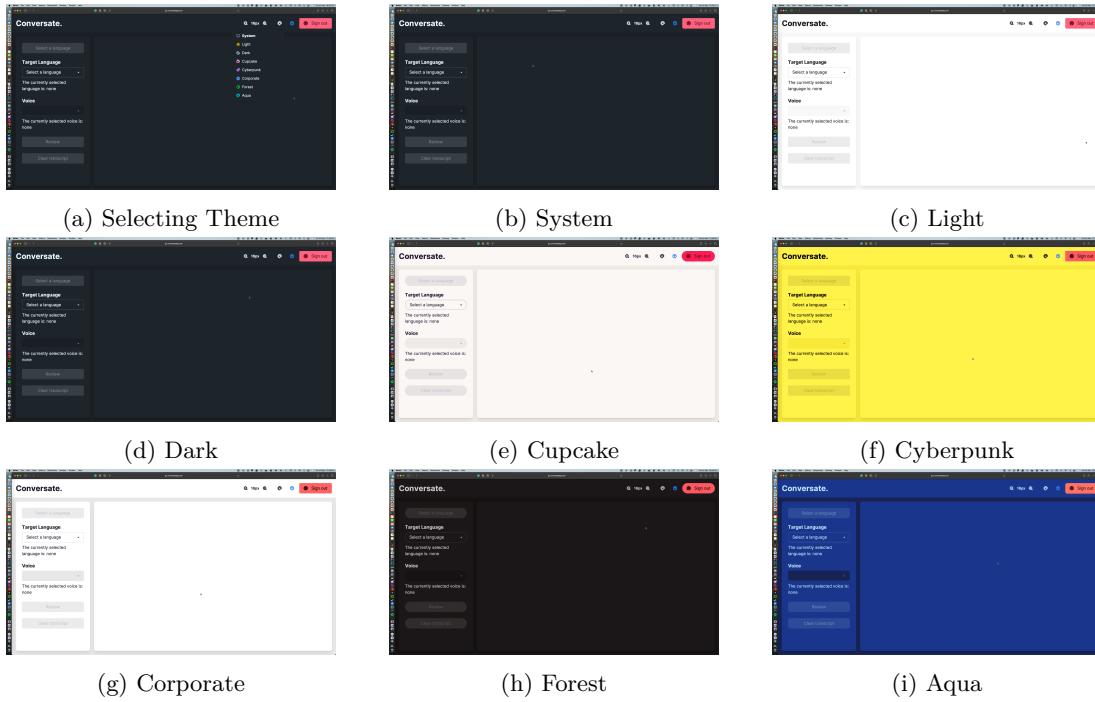


Figure 1.11: Conversate Themes

1.1.5.3 Help Section

There is also a help section accessible by clicking the question mark in the top right corner of the application. This shows a pop-up which gives you a very brief overview of the application and how it works 1.12. This allows you to understand what the application is doing without overwhelming you with technical details.

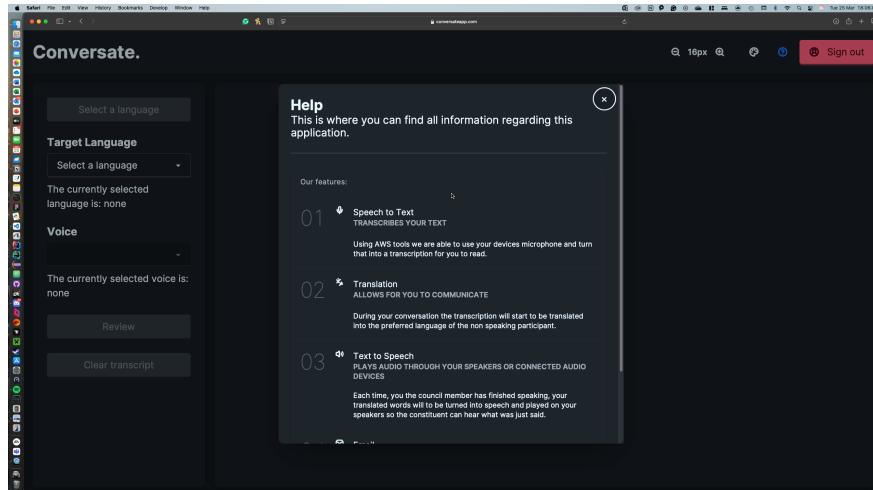
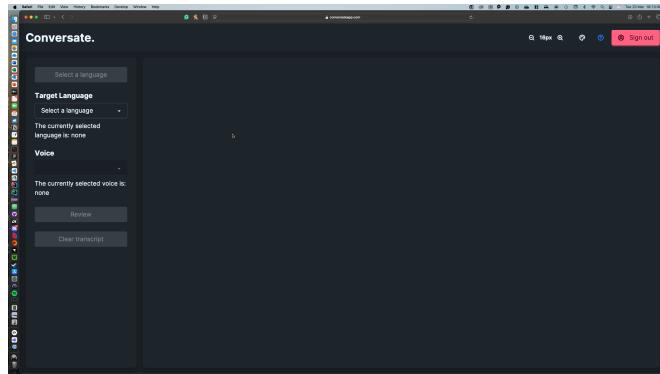


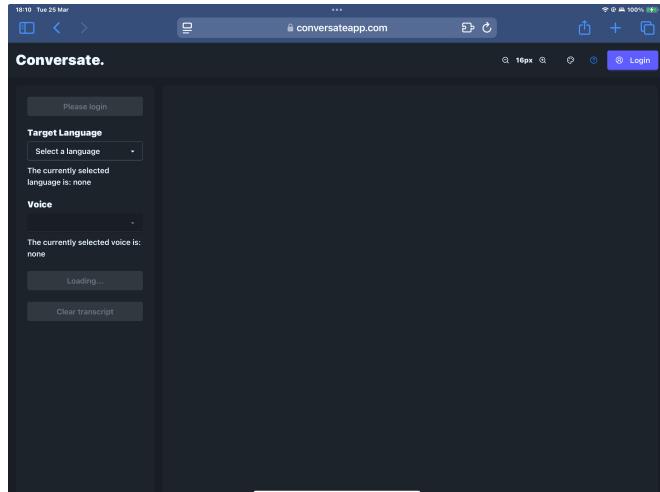
Figure 1.12: Help Section

1.1.5.4 Scaled for Any Device

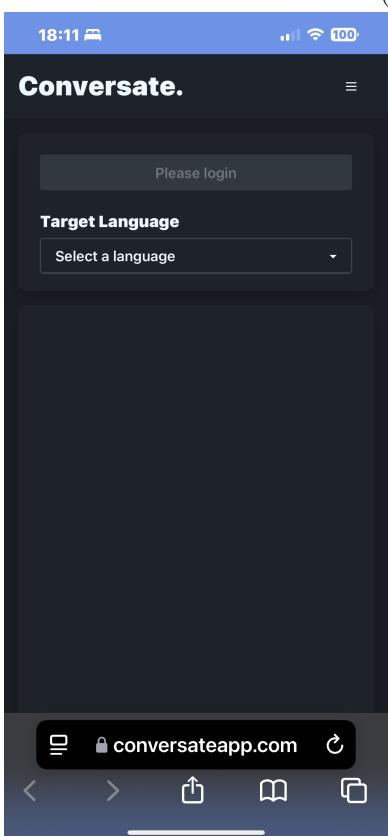
Due to the range of different devices that are able to use Conversate, we wanted to ensure our application scales correctly and is optimised for all different sized devices. Here you can see how Conversate appears on different devices 1.13.



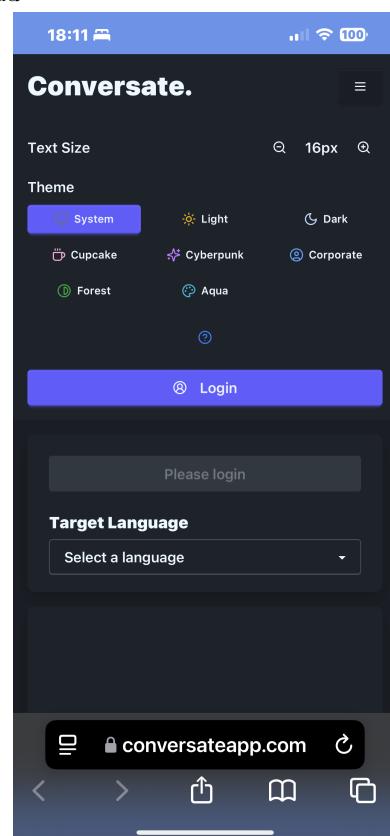
(a) 27-inch Monitor



(b) Approximately 13-inch iPad



(c) Approximately 7-inch iPhone



(d) Mobile Menu