Translate SignalPET Report

Background

In the attached zip folder you could find a ReactJS (typescript) project that represents a report that will be sent to the veterinarians with results about their uploaded X-Ray scan.
Because SignalPET is an inclusive company which would like to support clients from many countries, we would like the ability to translate the report to a configurable (preset) list of languages.
That's where you come in. Please create such functionality :)

For your comfort, in the code we've labeled **all the content that needs to be translated with a "translate=yes" property or in the "constants.ts"** file. You can leave the content of unmarked tags as is.

Requirements

1. All text with a "translate" label on their tag should be displayed translated in the desired language.
    a. Please support only the following: German, Spanish, French, Portuguese.
2. Receive as an input the output language code. (The source language will always be English)
3. Allow the user to see the English version. (In case the translated version was not clear enough)

Assumptions

1. The existing code is written in typescript, but feel free to implement your solution in any coding language & framework which is most comfortable for you!
2. You have full control over the system. You can create new servers, files, functions and so on as you please. You may also convert the system to a different framework if you think it will help you solve it better.
3. It's ok if the user will see english as a default/loading state.
4. **Each translation request costs the company 0.05 USD**.

Installation

1. Install the following dependencies (if they are not already installed)
    a. NodeJS
    b. A code editor of your choice

      c.   Zip extraction tool (WinRAR, 7zip or other..)
2. Extract the attached zip folder
3. Run "npm install" & "npm run start"
4. If needed, provided below are instructions on how to run a REST translation engine locally using Docker
   a. First install Docker
   b. https://github.com/LibreTranslate/LibreTranslate?tab=readme-ov-file
   c. https://libretranslate.com/docs/
   d. In short:
      i. Clone the library
      ii. Run "./run.sh –load-only en,es,de,pt,fr –update-models <args>".
          (The most useful arg is "--port", but feel free to adjust and run according to your preferences)
5. Other links that could be useful:
   a. https://cloud.google.com/translate/docs/setup?csw=1
   b. https://nextjs.org/docs/app/building-your-application/upgrading/from-create-react-app#migration-steps
      i. Next.js is just a suggestion and **is not mandatory to implement**.
         If it makes it easier, you may remove images and other static resources to make the conversion smoother.

Bonus Points

1. Display error messages for if unsupported language was provided.
2. Translate to the local machine country's language automatically.
3. Cost reduction mechanism - for the translation requests
4. Store the user preferences
5. Unit tests
6. Functional tests

Submission

- Include a README.md file with instructions on how to set up and run the application.

- Please add documentation, include you thought process and what constraints, assumptions and compromises you took during the development process.

- Zip the project into one zip file and send it by email OR push it to a git repository and share the link with us.