Task 5 – React – Lost in Translation

You must create a web application using the React Framework.

Features

The application will have one main feature. It will act as a "translator" from regular text to sign language.

The application must be able to translate English words and short sentences to American sign language. The images for the sign language will be provided.
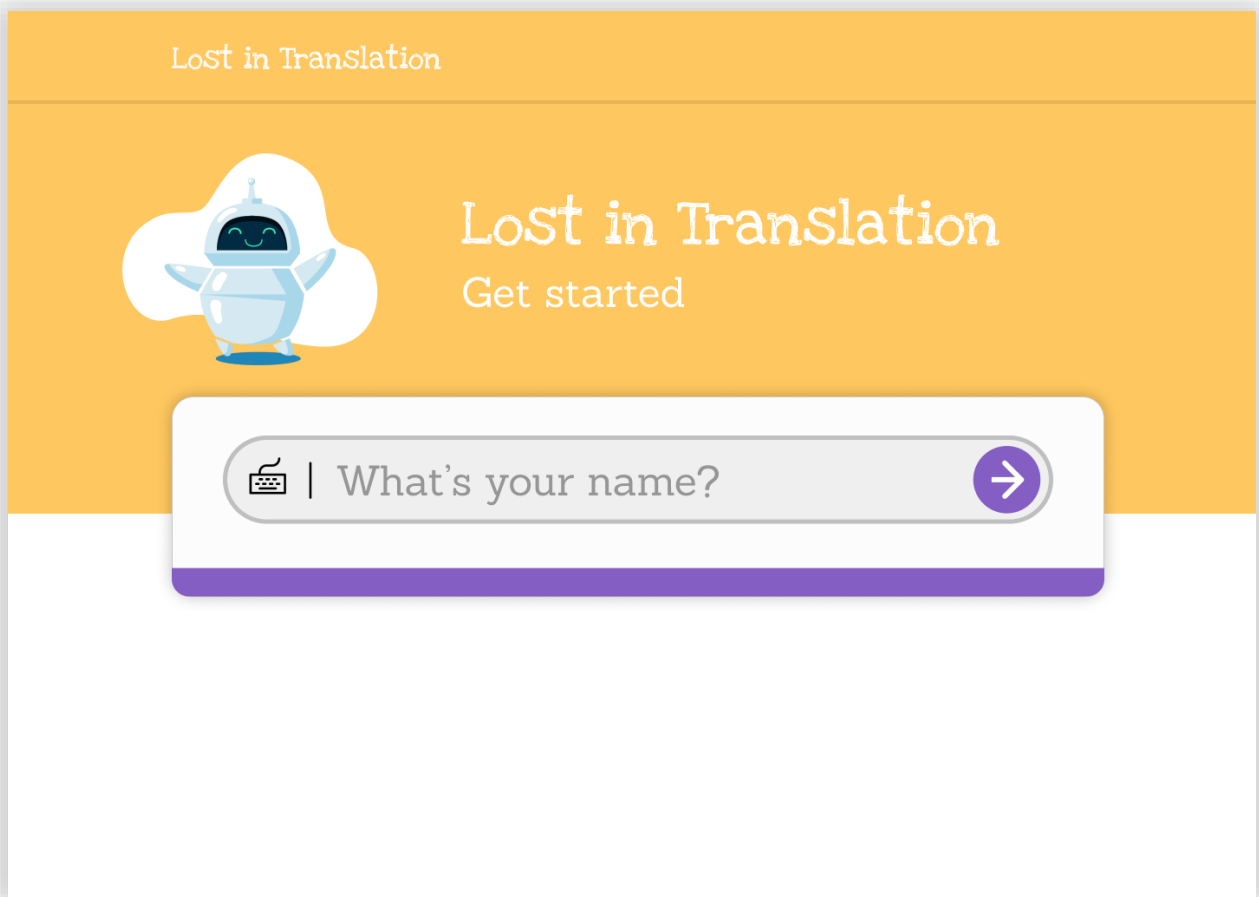
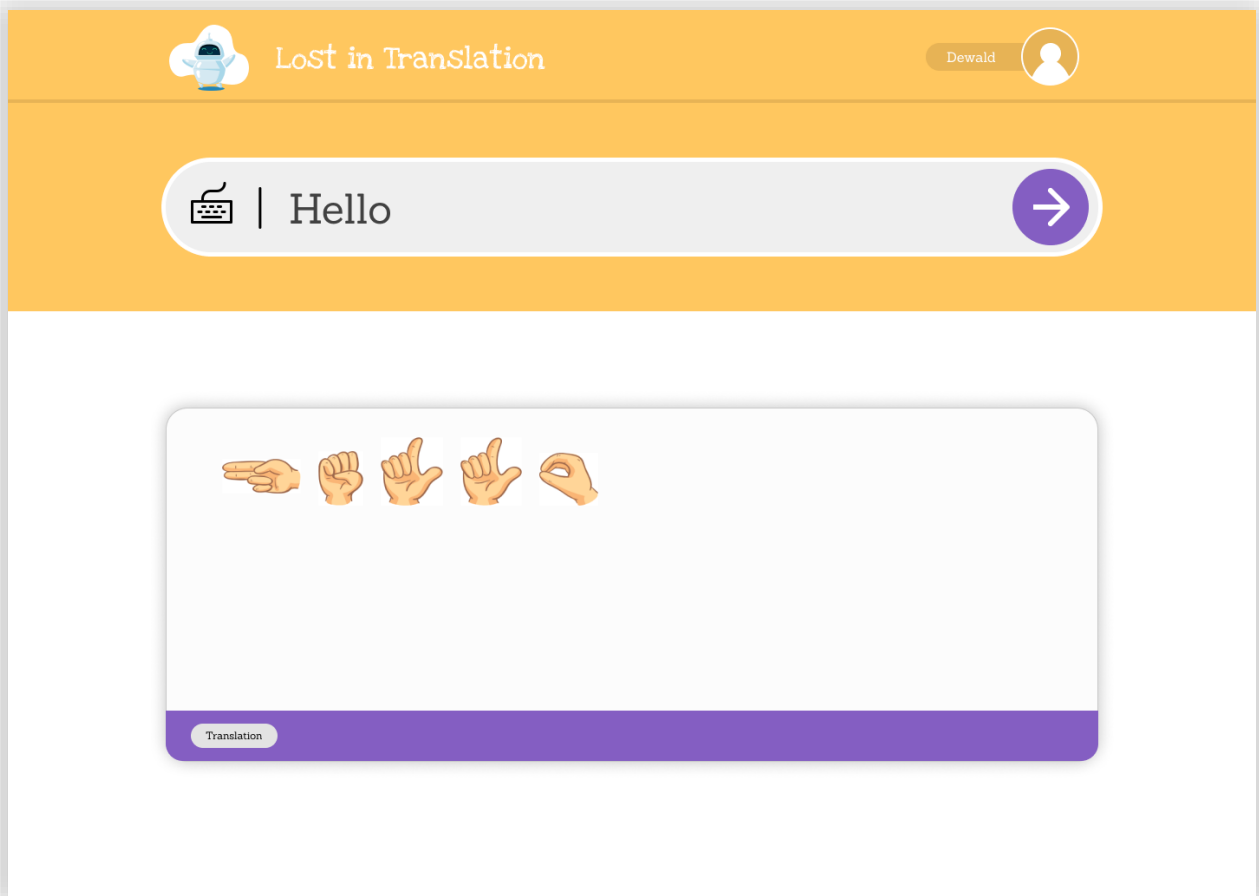**Wireframe**

Figure: Startup/Login page

Figure: Translate page

Startup page:

The first thing a user should see if the "Login page". The user must be able to enter their name. Once the name has been stored on the browser, (using local- or session storage.) The app must display the main page, the translation page.

Translation page:

The user types in the input box at the top of the page. The user must click on the "translate" button to the right of the input box to trigger the translation.

Up to 10 translations must be stored locally using local- or session storage on the browser. If there is already 10 translations store, the oldest translation must be removed. The Sign language characters must appear in the "translated" box. You may choose to limit the input to 40 letters. (Not required).

NOTE: ONLY the text must be stored, not the sign language images.

Profile page:

The profile page must display the last 10 translations for the current user. There must also be a button to clear the translations and logout. The Logout button should clear all the storage and return to the start page. You may design this however you'd like.

Required features

The following features/tools must be present in the application.

- React framework
- React Router to navigate between pages
- React-Redux – Optional.
- No database is required.

Learning resources:

Use the following to help you complete the task.

React:

- React documentation: https://reactjs.org/docs/getting-started.html
- Video tutorial: https://noroff-my.sharepoint.com/:f:/g/personal/dewald_els_noroff_no/EicXcK3eWEZIiuw6e4INc6kBOO4HytPT-WcjYuHAZd54ow?e=fA3xWQ
- *Note: The backend for the above tutorial will be added with the video link to Moodle*

Storage on the browser:

- Local: https://developer.mozilla.org/en-US/docs/Web/API/Window/localStorage
- Session: https://developer.mozilla.org/en-US/docs/Web/API/Window/sessionStorage
- Local vs Session Storage: https://scotch.io/@PratyushB/local-storage-vs-session-storage-vs-cookie

Redux: (OPTIONAL)

React Redux documentation: https://react-redux.js.org/