Functionalities/Demo:

- Allows users to translate amongst different languages and obtain accurate translation results.

Developing Languages, Tools, and Techniques Needed:

Vscode 1.73.1 https://code.visualstudio.com/updates/v1_73

JavaScript https://javascript.com

HTML5 https://en.wikipedia.org/wiki/HTML5

CSS3 https://en.wikipedia.org/wiki/CSS

Live Server Vscode Extension v5.7.9 https://www.vsixhub.com/vsix/1950/

Prerequisites & Setup:

Use `touch` command in the local Console to create needed files.

Synchronous Developing Note:

Set up buttons for homepage in `index.html`:

```
<div class = "hero">
    <p>About 3,470,000 results (0,22 seconds)</p>
    <button>TRANSLATE</button>
 </div>
```

index web server done setting up.PNG

Insert input and output with their placeholders:

```
<div class = "text-input">
    <textarea spellcheck="false" class = "form-text"
placeholder="Type text to translate..."></textarea>
    <textarea spellcheck="false" readonly disabled class =
"to-text" placeholder ="Translation"></textarea>
 </div>
```

input and output text boxes initial looks.PNG

Add CSS styles to make the translator align at center in `style.css`:

```
body {
    display: flex; padding: 0 10px;
    min-height: 100vh;
    align-items: center;
    justify-content: center;
    background: #85A6D4;
}
.hero {
    max-width: 690px;
    width: 100%;
    padding: 30px;
    text-align: center;
    background: #fff;
```

translator with better alignment.PNG

Add smooth radius effects to the button:

```css
.hero button {
    width: 30%;
    padding: 14px;
    border: none;
    margin-top: 9px;
    font-size: 17px;
    background: #85A6D4;
    border-radius: 100px;
    color: #fff;
    cursor: pointer;
}
```

button with radius.PNG

Add a two-way switching arrow:

```css
.button .change {
    color: #002fa7;
    font-size: 20px;
    cursor: pointer;
    transition: transform 0.2s ease;
}
.button i:active{
    transform: scale(0.9);
}
```

two-way switching arrow.PNG

Add groupy textarea styles:

```css
...
.groupy {
    border: 2px solid #080808;
    background: #E0FFFF;
}
...
.text-input .to-text {
    border-left: 2px solid #080808;
}
.text-input textarea {
    resize: none;
    height: 100px;
    width: 100%;
    background: none;
    border: none;
    font-size: 18px;
    padding: 10px 15px;
```

groupy textarea styles added.PNG

ERROR: `countries.js` script and references not imported. DEBUGGING: order issue. In `Index.html`:

```
<script src="countries.js"></script>
<script src="script.js"></script>
```

import countries before scripts to make the countries references function.

done implementing translator.PNG