THE POLYGLOT

A Translation app

By Derek Benak

Concept

The idea for my app to allow a user to enter in an English phrase of their own and select from a drop-down menu a predetermined list of translations the range from various topics like Sci-fi, pirate, Morse code, Shakespeare, etc. The Polyglot will be a simple app that uses Vue.js to incorporate third-party API data from the Fun translations API site.

Technology

I will use the Vue.js 3.3 framework to allow the usage of HTML, CSS and JavaScript to build my application. By using the Vue.js framework will simplify incorporating the third-party API data from the Fun Translations API. My project will be deployed on GitHub as a public server using my domain name and GitHub account and Google Analytics will be used to track user behavior.

Approach

I am going to build a Vue.js site using Visual Studio Code to build a web application using HTML, CSS and JavaScript. I will be able to incorporate the third-party API data using JavaScript in Vue.js framework. The website will be accessible to all users and I will add Google Analytics to track user behavior by setting up this GitHub project repo in Google Analytics.

Project Plan

Week 5	Site Scaffold (update Vue CLI, create Github repo)
Week 6	Develop views and routes, import API data Reference other projects for ideas to implement
Week 7	Style and accessibility
Week 8	Add Google Analytics
Week 9	Testing, Fixing
Week 10	Sharing and complete last-minute fixes

Perceived Risks

There are a few risks that I can identify at this early in the project and all revolve around the short time remaining to complete this project given my skill level.

- Upgrade the Vue.js CLI from version 2 to version 3
- Become familiar with the new Vue.js CLI since I have only built JavaScript apps using Vue.js 2
- Complete the migration process for previous Vue.js projects on my GitHub account to build my project using the docs directory
- Experimenting if I can use a bootstrap template to streamline the CSS elements or decide to build the CSS from scratch
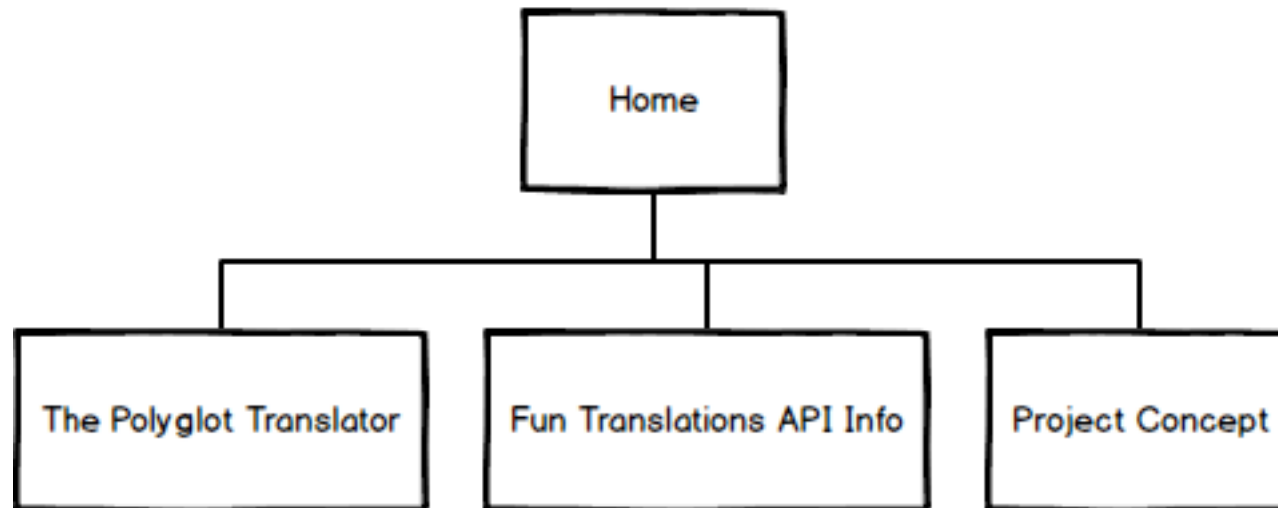
Visual Design Objectives

I selected this idea because my intent was for this project to be both fun and have an element of surprise for each person who used it.

- The mood that I hope the JavaScript will create is simple and flexible for the person to enter a phrase and be successfully translated.
- I would like the CSS elements on the app to help let the user feel like they are having fun and reduce any nervousness about thinking of a phrase to test in the API.
    - I would have to think of a robust background since the API has several translators that each are different while making sure the site remains accessible for all users.
    - I have struggled with selecting user-friendly color palettes in the past and need to do my best to make sure that my color palate I select doesn't ruin the experience for people before even testing the API.

Design Comps

Please reference the information architecture and wireframes on the following pages.

Information Architecture

```
                    ┌──────────────────┐
                    │       Home       │
                    └──────────────────┘
                             │
        ┌────────────────────┼────────────────────┐
        │                    │                    │
┌───────────────────┐ ┌───────────────────┐ ┌──────────────────┐
│ The Polyglot      │ │ Fun Translations  │ │ Project Concept  │
│ Translator        │ │ API Info          │ │                  │
└───────────────────┘ └───────────────────┘ └──────────────────┘
```
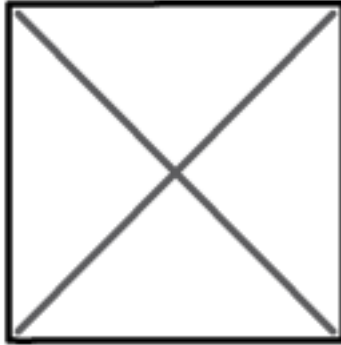
The Polyglot

Please type in your text here to convert to "User's Selected Language" translator...

Translate

The Polyglot

An image of Selected Language

In "user's selected language" ...
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.