Isabel Frade

CSC-415

Github: https://github.com/Ifrade1/Immigration-Reform-Library

VM: student1@csc415-server05.hpc.tcnj.edu

Student1 password: SarahVowell1904

Path: /home/student1/vm-csc415/iLibrary/src/ilibrary/iLibrary

Server Hosted at: http://csc415-server05.hpc.tcnj.edu:3000/

Description:

1. This project is a library of resources for immigrants. The goal is to provide books and other sources to help immigrants going through the visa and citizenship process. The resources are divided into three categories: books, online resources and legal associations. Each resource has a title author\organization, description and link. Users can add books once signed in, and edit and delete books they have created. Users regardless of whether or not they are logged in, can search for books based on their parameters.

Installation instructions

1. Install Ruby on Rails & PostgreSQL on your machine:
   a. In order to run it on the server, install Ruby(2.7.1) & Rails(6.0.3.3):
   b. Otherwise, install ruby 2.7.2 and the most recent version of rails
2. Clone the repository with the command:
   a. git clone - https://github.com/Ifrade1/Immigration-Reform-Library
3. Install the gems with the commands:
   a. Bundle install
   b. Yarn install
4. Migrate the database:
   a. rails db:migrate
5. If working on the server:
   a. Alter the config file in the enviroments folder by adding:
      i. config.hosts << "your server"
   b. Get the ip address
      i. ip addr show eth0
   c. Bind it to rails:
      i. rails server --binding=your_server_IP
   d. go to:
      i. http://your_server_name:3000/.
6. If working on local machine

a. http://Localhost:3000/

Guidelines for future Developers:

1. This website is designed to host a collection of sources to help immigrants with the U.S. immigration system. That said, sources listed on this site should be for immigrants and not immigration lawyers. The sources need to be accessible, and law books can be expensive.
2. Keep it simple: large scale Library management systems can get cluttered and confusing (for example, bccls.org).
3. Keep it portable: Be careful with adding anything that may not work on all browsers. For instance, adding a voice recognition API with javascript would only work on google chrome.
4. Keep it accessible: For instance, make sure it is as compatible with screen readers as possible.
5. Keep safety-critical parts updated and information private: this project uses the devise gem as a login system. Since this takes user emails and passwords, none of this should be accessible to other users (except perhaps an admin).

Limitations, bugs and Future work

1. Future Goal: Add language options. At minimum, add language a as possible way to separate books. Also potentially add options for user to translate the site.
2. Limitation: This site needs administrator options to control what books are saved.
3. Limitation: While user inputs are saved, this is local to each copy of the application. So while someone may have several books saved on student1, copying the application to student2 would not transfer over the books.
4. Possible bug: the copy of the code on github has a newer version of ruby than the VM.