

# Reimplement CC's Legal Database using WordPress or Django

## Project Synopsis

This project aims to reimplement the entire CC's Legal Database. The Reimplementation of the website will be done using Django as the backend and Vue.js as the frontend. The current problems faced in this project will be solved along with additional beneficial features which will make the website more user friendly, with a better database system and ease of use for both guest users and website admins. By the end of the internship period the entire website would be reimplemented.

## Project Plan

### The Problem

The current CC Caselaw website has a number of issues some of which are:

- Publishing new data is a cumbersome manual process for both the legal and tech teams.
- There is no way to browse all resources on site.
- It does not use Vocabulary, CC's new web design system.
- Users Submission does not happen through the website but through external google form.

### The Solution

- Reimplementation of the entire website using Django as the backend and Vue.js as the frontend.
- The website will contain a common search box where users can search both Legal and Scholarship database with a filter to select which table to query. If no query selected the website will display results for both but separately.
- The website will also have the option for User submission after which the admins can review the submission also edit it if necessary before publishing it to the site. The admins will have a separate dash board for better interface.
- The website will use Django rest framework as a web api and vue as the frontend which will retrieve the api using axios. Django Rest framework is a powerful and flexible toolkit for building Web APIs.
- Axios is a very popular Javascript library you can use to perform HTTP requests, that works in both Browser and Node.js platforms. It supports all modern browsers, including support for IE8

and higher. It is promise-based, and lets us write `async.await` code to perform XHR requests very easily. It also has built-in CSRF protection.

- The Vocabulary, CC's new web design system will also be implemented while developing the website.
- The Website will also have country based view.
- The new submission form will be identical to the google form but will be in the website itself hence it will be easier for the admin to approve or edit and publish it in the website. Once published it will be entered into the database as public and can be viewed by the general public but before publishing it will be set as a private submission ie only the admin can view it in their dashboard.
- The features of the current website will also be included in the reimplemented website.
- Last but not the least the website will be simple but user friendly.

## Research & References

- [Creative Commons Legal Database \(beta\)](#)
- [Legal database GitHub repository](#)
- [Vocabulary](#)
- [Django Rest Framework Documentation](#)
- [Vue.js Documentation](#)

## Timeline & Deliverables

Timeline	Deliverables
Pre-Internship	Familiarize myself with the community and creative common code base
Week 1	Form Mockups and visualizations of changes I intend to make,share and discuss with my mentos and community to form final decisions
Week 2	Start with the backend development. Discuss with mentors the required backend features
Week 3	Will implement all the required features of the backend
Week 4	Will try to transfer the current database to the backend
Week 5	Will finish the backend development
Week 6	Design the frontend.(manual designing ie planning what all to be included in the website how the search function looks how the navigation bar looks etc)
Week 7	Start developing the frontend using Vue.js, Create the basic structure of the

	website
<b>Week 8</b>	Implement the necessary features of the frontend. Ie add search option, style the navbar, add bootstrap etc
<b>Week 9</b>	Merge the frontend and backend using axios. Ie finalize the website, bring the data to the frontend.
<b>Week 10</b>	Testing phase ie will try testing the website for bugs or issues.
<b>Week 11</b>	Discuss the reimplemented website with mentors for additional input if any by the mentors
<b>Week 12</b>	The additional inputs by the mentors will be implemented
<b>Week 13</b>	Submission of the project
<b>Post-Internship</b>	Will continue to contribute to Creative commons by solving issues or providing new ideas with slack or github. And will try to be mentor in the next year gsoc.

## Questionnaire

### **Why are you interested in working with Creative Commons, out of all the mentoring organizations available?**

I am extremely interested in the project itself as I hope it will help me learn about backend development at scale in production and DevOps. The project also lines up perfectly with my unique skill set compromising of Vue and Django.

### **Why are you interested in working on this project in particular?**

As I mentioned above this project lines up perfectly with my unique skill set compromising of Vue and Django.

### **Why are you well-suited to take on this project?**

I have all the skills required to take up and implement this project successfully. I have significant experience working with technologies such as React, Vue, Django ,Html and Css. I have seen to it that I am familiar with the codebase and architecture of the project by making various contributions. I have gone to great lengths to ensure that I research the implementation details for this project. I appreciate the opportunity to learn about backend development at scale in production while applying my skills to build something that is used by a lot of people.

### **Do you have any other commitments during the internship period? Provide dates, such as holidays, when you will not be available.**

During the last week of may and first week of June I might have my semester exams as the dates have been extended from first week of may due to the holidays declared by the government in view of COVID-19.

### **If your native language is not English, are you comfortable working closely with a mentor in English?**

Even though my native language is not English, I have been learning it since my first grade hence I am pretty comfortable with English.

### **Have you collaborated on a project remotely before?**

Yes, But it was an android mobile application development based on Ionic for a StartUp called Eyogi based in Kochi.

**Do you plan to keep contributing to Creative Commons after the internship period is complete?**

Yes I do, As I find the projects of Creative Commons really interesting and most probably by the end of the internship I will feel a belonging to Creative Commons.

## General Information

### About Me

I am a 3rd year student at Model Engineering College, Kerala, India, pursuing a Bachelor's degree in Computer Science. I have had a passion for coding for several years and started by making small websites using Html,Css almost 5 years ago.After which I started using Django for the last 2 years and has remained my programming language of choice ever since.I'm also enthusiastic about React Vue and Ionic and has used it make Web apps. I am also an active member of the web team in my college.

### Basic Information

Name & Contact Information			
Full name*	Cristo Mathew	Email address*	cristomathew7@gmail.com
Gender/Pronouns*	Male	City, Country*	Kochi, India
Slack username*	@Cristo Mathew	Phone number*	9383409181
Postal address*	8C Powar Dharamvir Enclave	Emergency contact information*	8281078191
Websites & URLs			
GitHub*	<a href="https://github.com/cristomatthew">https://github.com/cristomatthew</a>	Homepage	<a href="http://cristomathew.herokuapp.com/">http://cristomathew.herokuapp.com/</a>
Twitter	<a href="https://twitter.com/mathewcristo">https://twitter.com/mathewcristo</a>	LinkedIn	<a href="https://www.linkedin.com/in/cristo-mathew-6b145a160/">https://www.linkedin.com/in/cristo-mathew-6b145a160/</a>
Other code or work samples			
Education			
Institution	Model Engineering College	Degree	BTech
Major	Computer Science	Graduation Year	2021
Courses Taken	Computer Science		

## Skills

Skill name	Proficiency (1-5)	Where/how you've used this skill
Django	4.5	Have created many websites as my primary project for my college and also for my summer internship with Spawoz last year
React	4	Although I have not used react as extensively as Django but I have built websites using react as the frontend and Django as the backend.
Ionic	4	I have used Ionic to develop a web app for a startup Eyogi. And have made a library based app for a startup MintMelon.
Python	4	I have been using this language for the last 3 years. Although not many programs were developed using this language. I have been learning deep learning(fastai) which uses this language as the primary choice and is developing a project based on it.
Html	4.5	Have been using this since my childhood and have developed many websites using this.
CSS	4	I have been using this for styling all my projects (ionic, Django, html etc)
Vue.js	3.5	To be honest I have only started learning Vue.js a few months ago but I am pretty sure I will be able to cope up with your expectations

## Experience and Contributions

Brief Description	Relevant Links	Additional Notes
Solved issue"Remove instances of "error-message" instances. #178 "	<a href="https://github.com/creativecommons/ccsearch-browser-extension/pull/186">https://github.com/creativecommons/ccsearch-browser-extension/pull/186</a>	This was a issue in creative commons /ccsearch-browser-extension
Solved the issue "Search section does not reset	<a href="https://github.com/creativecommons/ccsearch-browser-extension">https://github.com/creativecommons/ccsearch-browser-extension</a>	This was a issue in creative commons /ccsearch-browser-extension

when after an invalid search query #124”	<a href="#">csearch-browser-extension/pull/164</a>	
Created a website using Django for my college for uploading marks related to 2 subjects.	<a href="https://github.com/cristomathew/project_manager">https://github.com/cristomathew/project_manager</a>	Marks were graded for each students on the submission based on their code and abstract
I was an intern for Spawoz during june-july 2019 were i worked with django with my team members to develop a website	<a href="#">Spawoz certificate.pdf</a>	Code not available as an NDA was signed