

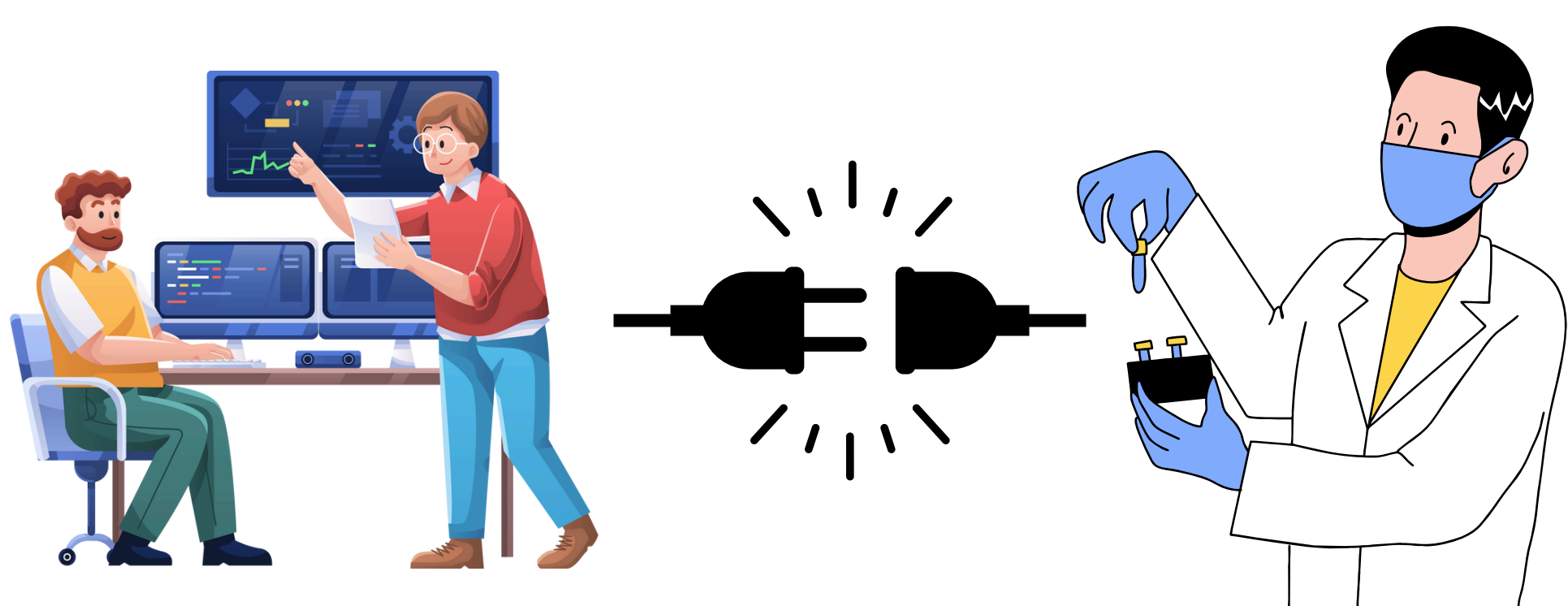
CSUSM Collaboration Platform

Developers: Nathaniel Vandenberg, Benildo Pilande,
Xavier Christopher, Christian Huntsinger, Sean Cooke

Course: CIS 490 Capstone Project | Sponsor: Robyn Araiza

The problem we sought to solve:

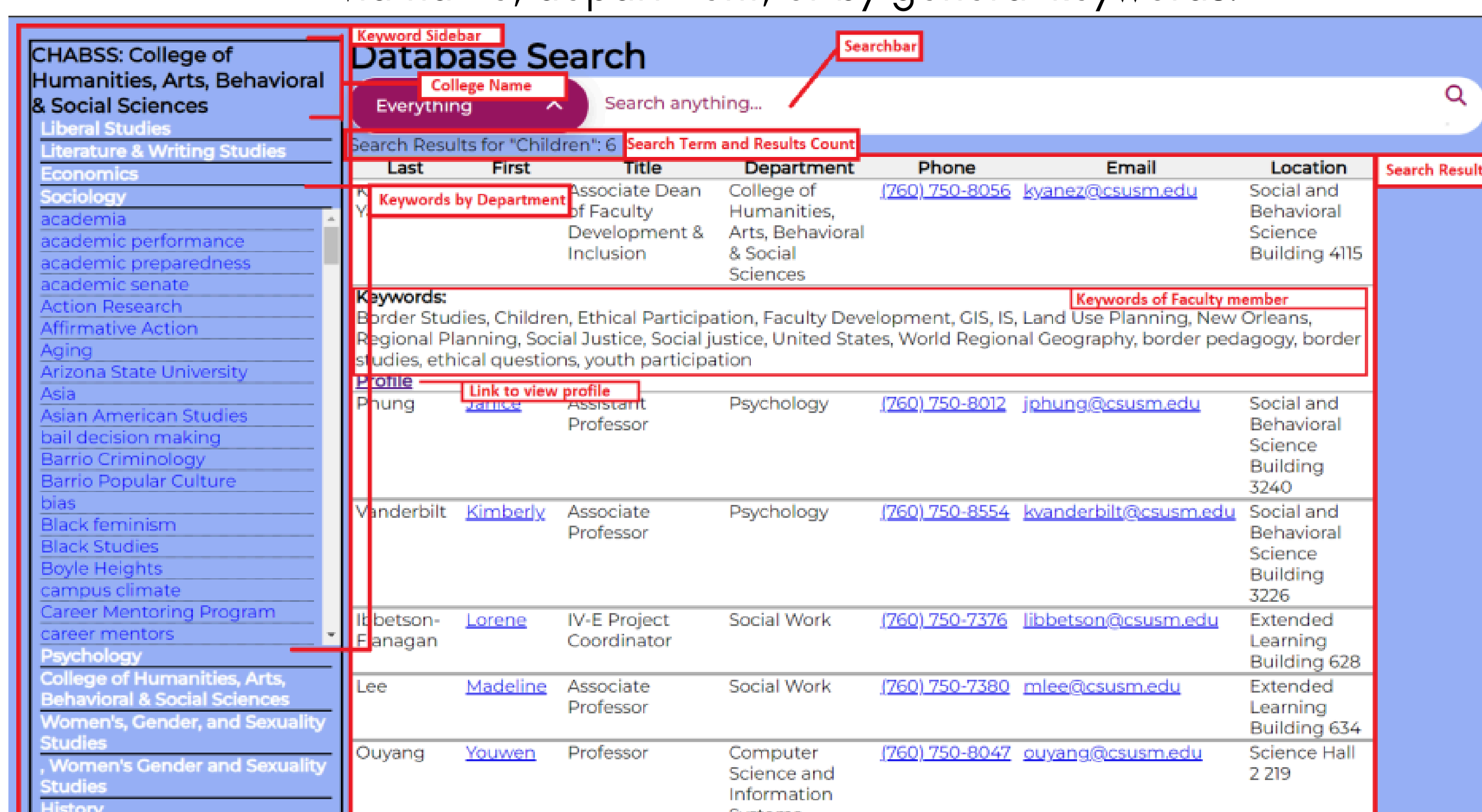
- Decrease in inter-departmental collaboration
- Lack of communication on resources we already have
- No ability to know the networks that other staff members already have



How we sought to solve it:

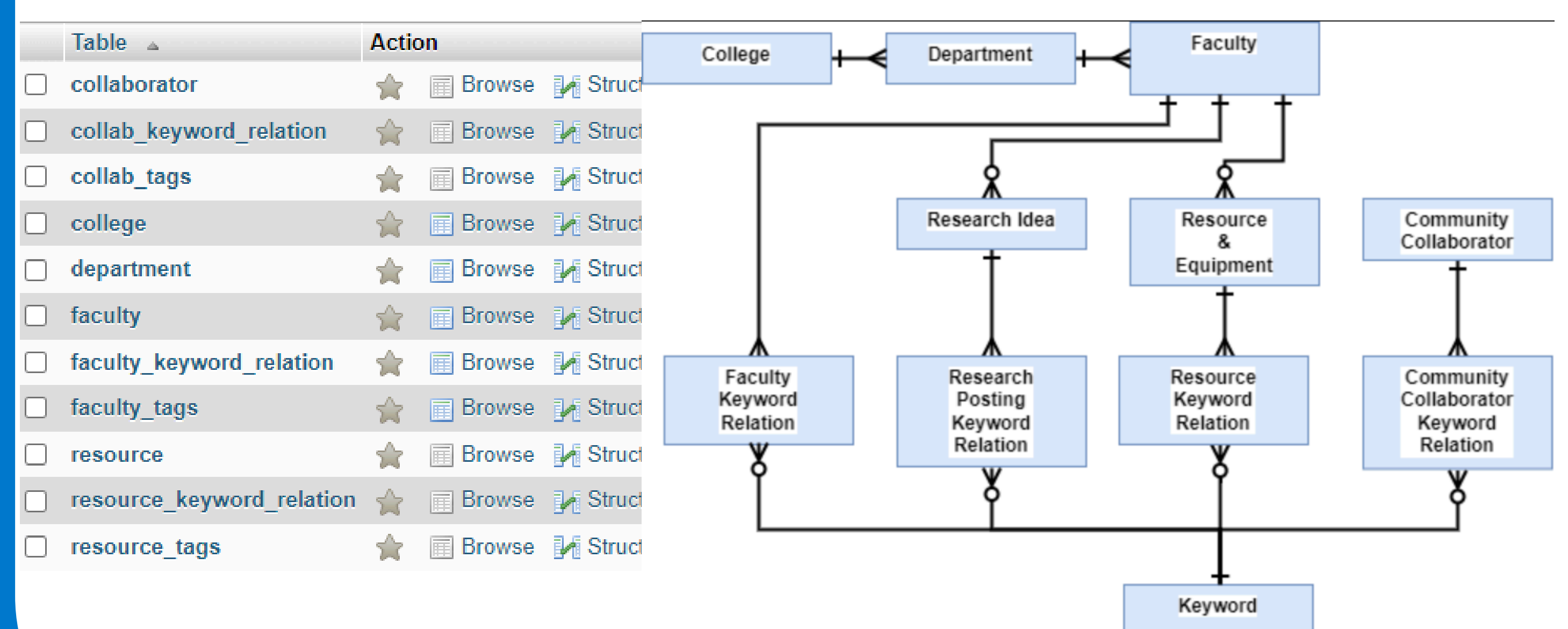
Front-End Design

- An intuitive search engine with side links to guide users.
- Utilizes HTML, CSS, JavaScript, PHP, and SQL to create this front-end and connect it to our backend database.
- The user will be able to search for potential collaborators via name, department, or by general keywords.



Database Design

- Our tables of data that can be parsed through with the search engine
- This database has associations between tables to improve search times



Secure Contact Method

- We use an HTML form that connects to Symfony as an external sender

Contact Form



- Database where the collaborators email is stored
- Symfony handles sending the email to the collaborator email
- Email is sent to the intended inbox

Bulletin Board



- A bulletin board feature that enables users to advertise that they are looking for new research.
- This is as simple as a status update for users to be able to toggle on their profile.

Possible Future Implementations:

An undergraduate mode that enables students to create study groups or even encourage undergraduate research projects!



A messaging system that instead of having the conversation occur off the platform enables users to communicate directly on our platform!



Here are all of the languages and technologies we utilized in the development of our platform!

