

## INTRO/ABSTRACT

This project aims to enhance the efficiency of generating and submitting Faculty Course Analysis Reports (FCARs) for the faculty of CCSE in accordance with ABET accreditation requirements. The scope involves the design and implementation of a locally hosted web-based application. This application will streamline the process, allowing FCARs to be requested and generated in real-time. Development will be conducted on a Linux-based platform, and security measures will be integrated based on the NetID system.

## METHODS

- Project divided into three distinct stages:
- Brainstorming: Developed project outline, technologies, and timeline of the project
- Execution: Encountered and resolved challenges, including technology swaps and access issues. Focused on main querying system and backend development to handle expected traffic.
- Documentation: Recording all sources used as well as developed a manual for future teams to be able to setup and use our software.

## RESULTS

- Completed Milestones 1 and 2, showcasing development and testing proficiency
- Demonstrated effective team communication and technical skills in Linux, Node.js, Express, HTML, CSS, and JavaScript
- Positioned well for further development and implementation

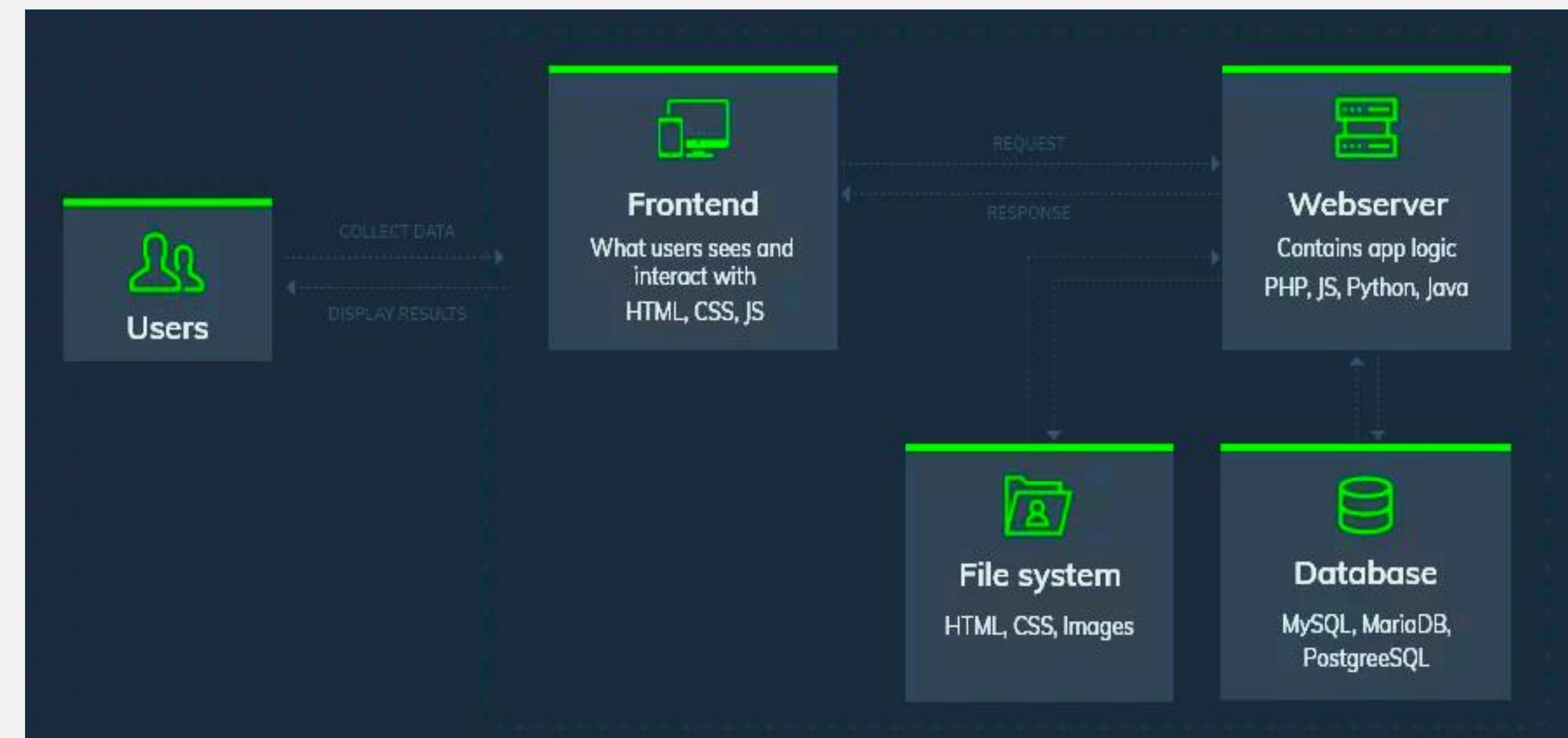


Fig.1 Show case of Web Application structure



**FCAR Project Report Website – Contains Report of development, and Milestone Presentation** <https://mpate150.wixsite.com/fcarproject>

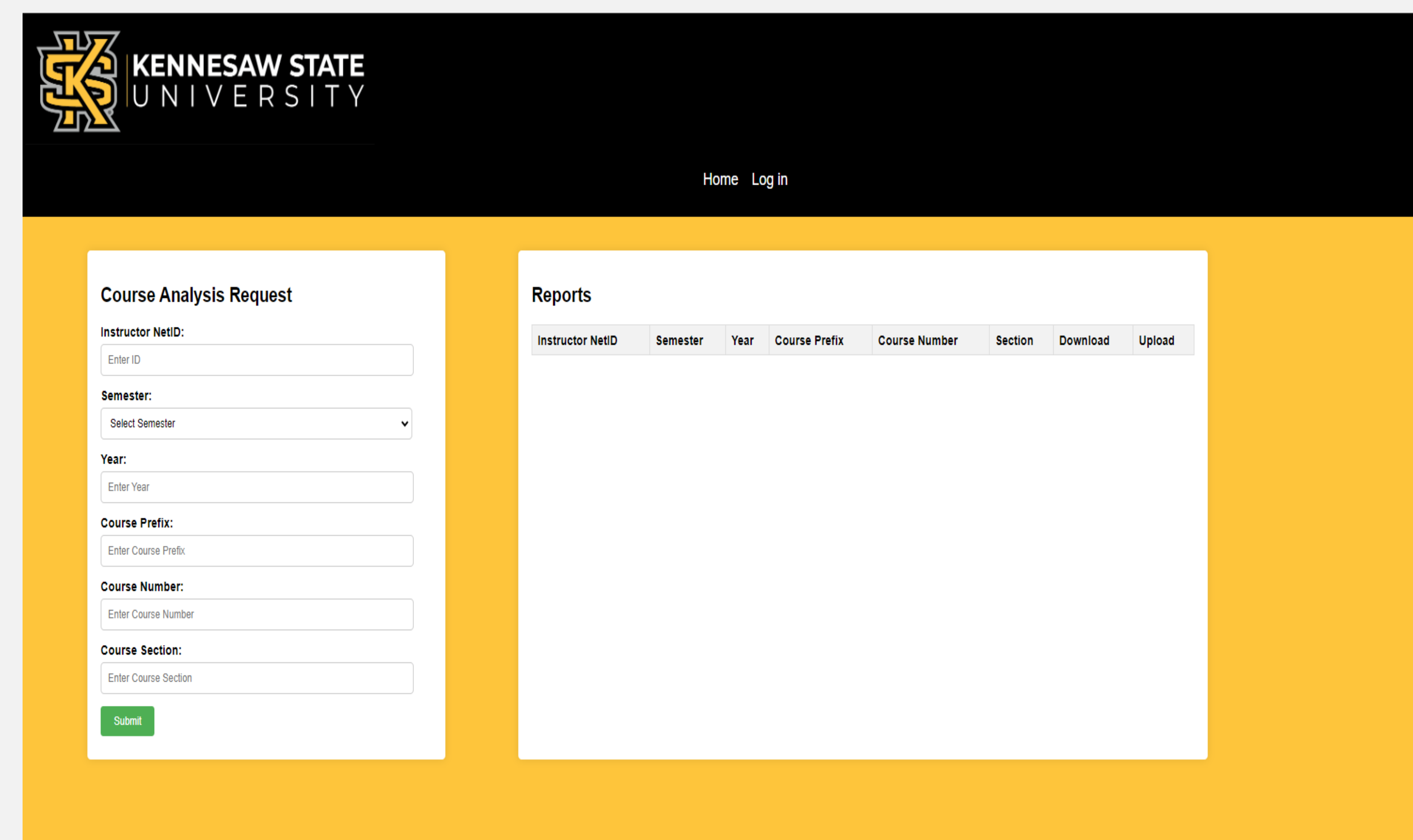
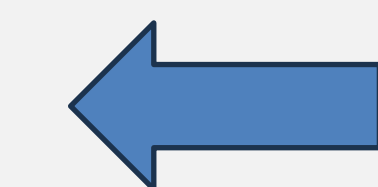


Fig.2 Image of FCAR interface

The project created an efficient, web-based solution for generating and submitting Faculty Course Analysis Reports, enhancing the process for CCSE faculty.



**Link to FCAR Website Presentation** <https://youtu.be/1CRK1a2VfZY>