

Container Management System:

EduCyber is a web development firm that builds customized websites and web applications for its customers. Our client's sites see tens of thousands of visitors a day and take in millions of dollars in revenue. We work with an assortment of nonprofit and for-profit companies in the Denver area and around the country.

EduCyber designed the Container Management System to provide a client with an interface to communicate with a database and provide the functionality to insert, update, and delete data. The system maintains the client's customer info, container details, drivers, inventory list, and more. The original design is outdated, slow, and needs a rewrite.

Project Description:

Depending on the students' preference, the project will require either a complete rewrite of the current management software or a partial rewrite to update the code base and redesign the front end. Currently, the management system runs off connected PHP files with the front-end written in HTML and CSS. The database is composed and stored in MySQL.

Project Goals:

- Update/Redesign Management Software Codebase.
- Update/Redesign Management Software Front-End.
- Make the solution more client friendly.
- Improve the maintainability of the Software.

Student Outcomes:

- Work on a Medium to Large Scale Project.
- Learn Object Oriented PHP.
- Work in a Test-Driven Environment using GitLab CI.
- Work with real-world Enterprise software and positively impact local businesses.

Technologies:

- PHP 7 & 8
- JavaScript
- HTML5/CSS3
- MySQL

Team Size:

- 3 – 5 people

Location:

- In EduCyber's Wheat Ridge office or, if needed, remotely

Work Details:

- Monday – Friday as schedules allow.