

# OSU Craft Center Capstone Project

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## Winter Term 2022 → Project Partner Update

### Introduction

The scope of this paper is to deliver all the progress and work that the frontend and the backend team accomplished during the **Winter Term 2022**. Also, the paper will consist of any remaining tasks/deliverables that our team needs to complete while working on the project throughout of next term.

### Summarize Tasks/Deliverables Completed

Our team has built a SQL database currently hosted on OSU's servers. It contains the structure required to support a web interface which we have created. A Node JS server which can be run on the engineering college's SSH servers is the main subject of the main github repository provided as a deliverable. This server uses Node Package Manager to connect to the SQL database and interact with Javascript web elements. Currently the database is able to hold information about website users, classes available, forms required by classes, and the associations between these tables. Users are able to see available classes and register for them, being shown the required forms and links to their qualtrics input.

The frontend team has crafted the HTML/CSS and JS pages for the project which will serve as the UI and the interaction users will have with the Craft Center. This application will also serve as a way for the data from the backend to be integrated onto the frontend with a more user friendly interface. During the whole process of Winter Term 2022, the frontend team composed five HTML/CSS pages and one JS page that will hold individual tasks that each page will complete. The page includes a main dashboard from the student side, a profile page for the user, a class registration page, a membership registration page, and the list of their active classes page. Currently all the implementations for the pages have been finished and were able to successfully integrate with the backend side. All the pages have the essential components and functionality however, there might be a couple more tweaks and improvements to make sure that the page matches what the prototype has in mind and what the project partner wants before next term.

### Remaining Tasks/Deliverables

- **OSU ONID Integration**
  - We want our website to be able to use the real ONID login that requires users to verify with two step verification. This will make sure when users log in, we can trust they are the student or faculty they say they are. This process will take one or two members to communicate with OSU IT staff and work on integration into our current work. Since we have already implemented the Login interface for users to login, we would have the members of frontend and backend reach out to the OSU IT staff, once we establish a connection with them, we will learn under their guidance of what programming

languages, design interfaces, and sources we would have to take into account when connecting with the University's system.

- **Estimate Length to Completion:** 1 to 2 weeks

- ***Table Pagination***

- The tables on pages will currently load every piece of data available, which will extend for a far distance if too many entries are in the table. We would like to add a feature that adds a limit to the amount of entries that are displayed, and the ability to flip through more entries. Our plan of action for this remaining task is to reach out to our project partner in the first week of spring term for their recommendations of resources that could be used to help us organize the data in a more efficient manner.

- **Estimate Length to Completion:** 1 to 2 week

- ***Check User Registration***

- We want a feature in the database to determine if they register for the term or not. This way, when they click on the membership registration tab, there will be an indication that they sign up or not. This process will involve both the front and backend team and depend on the implementation hardness. We plan to meet with our project partner to finalize the functionality to allow users to check the status of their registration, backend will need to add an attribute to indicate user status and frontend would have to create a design that would allow a user friendly interface for student to conveniently check whether they signed up for a class and when term they signed up took place.

- **Estimate Length to Completion:** 1 week