

Landscape Architecture Group

Project Description:

Create an interactive map depicting key areas within the scope of the Plant Science and Architecture school. Key areas will include metadata of the project done in that area. Authorized personnel can edit and curate the data that is depicted in order to satisfy their needs.

Deliverables:

High-Level Project Plan and Timeline: A detailed plan and timeline for the project, including key milestones and deadlines.

Interactive Map: An interactive map that displays past projects.

Database: A database of curated projects containing the client's specified metadata.

Database Dashboard: A dashboard for the client to input new information into the database.

Dashboard User Documentation: Comprehensive documentation to guide staff in maintaining and updating the dashboard.

Final Report and Presentation: A final report summarizing the project outcomes, including any recommendations for future enhancements. The team will also deliver a formal presentation to the client and stakeholders.

Technical Requirements:

This project requires our team to create a database with all the projects created from the school regarding these key areas. Once a database is created, we will have to work with a GIS system in order to create a map. The map will have to be interactive in a sense that outside users are able to look into these areas and find information and projects associated with this certain location. To do this, the map has to be able to pull from the database that we create so that it is easily integrated into the clients system and can interchange information if need be.

- SQL
- Website design (HTML)

Critical Risks:

Time Constraints: Tight deadline for a hefty project with the scope. Website design, and database creation which will take some time to make.

Mitigation: Splitting into teams to do multiple tasks at the same time. We have a database team and a website design team. Each team will work on their tasks and then once both are finished, we figure out how to implement them into each other.

Database Creation: No existing database. We will have to make everything from scratch using the google drive on projects, videos, slideshows, and pdfs. It will be difficult to create a database that uses all this information.

Mitigation: Database team will work with client to figure out key data that is needed for the database so that not all information is needed to be implemented. We can get a working skeleton at first and then if time permits we will scale it so that the database includes more information. Prioritizing key information is the goal.

Client Data Curation: The client wants to curate the data that is entered into the database.

Mitigation: Ask the client for example data so that the system can be designed to fit the client's needs.