

Domain Research

- Current Blackboard notification system for students and professor side
 - Other notification systems in general for inspiration and what makes a good notification system.
- MERN Stack Technologies
 - MERN stands for MongoDB, Express, React, and Node. Instead of MongoDB, we decided to have a local 'virtual' database in our server file because our website would only contain JSON data for notifications and nothing else so a whole database didn't seem necessary. With MongoDB being replaced with a local 'virtual' database, it behaved the same as the MERN Stack.
- Tailwind CSS
 - All the different libraries and components
- React Components
- Heroku Full Stack Application Deployment
 - Heroku was our first option because it is easy to connect and deploy websites and team members have some experience with it.
 - Heroku ended up going pay to use on November 28th, 2022, so we looked around for our deployment options. GitHub Pages was the next option, but GitHub Pages only works well for static pages, so it wasn't a good fit for our website. We looked in Firebase, another hosting service, but we had to change our code a bit which we didn't want to risk so close to the deadline, so we ended up paying for Heroku.