Opportunity and Significance

Genetics Research happens across the globe by researchers who may be working on similar projects, but cannot work together. This application is designed to enable genetic researcher to write and share research in a collaborative manner.

Technical Approach, Accomplishments and Results

The User Note microservice by created using Spring as our backend and an AngularJS Web application as our front end. The Spring backend communicates with a PostgreSQL database. We also built the User Notes microservice to be compatible with Docker so it could be deployed to an AWS web-server.

Next Steps for Development and Test

There still features that remain to be implemented that will allow researchers to share and access each other's notes, as well as some general user experience features also remain. These Features are planned to be implemented by the next team working on this project.

Technical Objectives

This project was created using a series of Java microservices which work independently of each other. One of these microservices handles all functionality related to Notes.

One of our objectives was to make the application as portable as possible. We built the front end module and the notes microservice so they can be reused in other Advaita applications.

Related Work and State of Practice

This application was initially built by students at Wayne State University over two semesters. The previous teams designed the Genes of Interest application that we integrated with the Notes Module.

Thank You