**MY-PORTAL**

Academic tool that helps students to keep track of classes, grades, and assignments in an easy, way.

## About

Student portal agenda to keep track of classes, assignments and grades. Full stack application built with React, Redux, NodeJs, Express, and MongoDB(mongoose)

### TECH/TOOLS

1. FRONTEND:
   * React with CRA along with Redux for state management, and axios for HTTP request
2. BACKEND:
   * NodeJS with Express for the server
3. DATABASE:
   * MongoDB via mongoose and MongoDB-Atlas

4- HASH-SALT:

* BCRYPT for hashing and salting student's info

## THE APPROACH

1. ROOT:

* The user will be met with a login or register page
* Register process sends request to the server who checks if entry is already present in the Database to prevent duplicates
* Register also allows for creation of new account in case no studentId nor email is found in the Database
* The password created with hashed and salted with bcrypt and upon successfully created account, the user is automatically logged-in
* Login in triggers a bcrypt comparison on the server to ensure credentials are valid
* Once logged in the user is presented with an aside containing the classes (if any) where they can add more classes on click on a class to show the classes specifics on the section next to it
* The section will show that particular class details, such as assignments and grade
* The user has the opportunity to add new assignments, mark them completed, or delete them, as well as alter the current grade
* The user also can click on completed which opens a modal displaying a list of assignments that were marked completed
* On the completed section, the user has the ability to clear the list
* To avoid multiple requests to the server, the new user information gets sent to the backend for database update only when 'logout' is clicked