



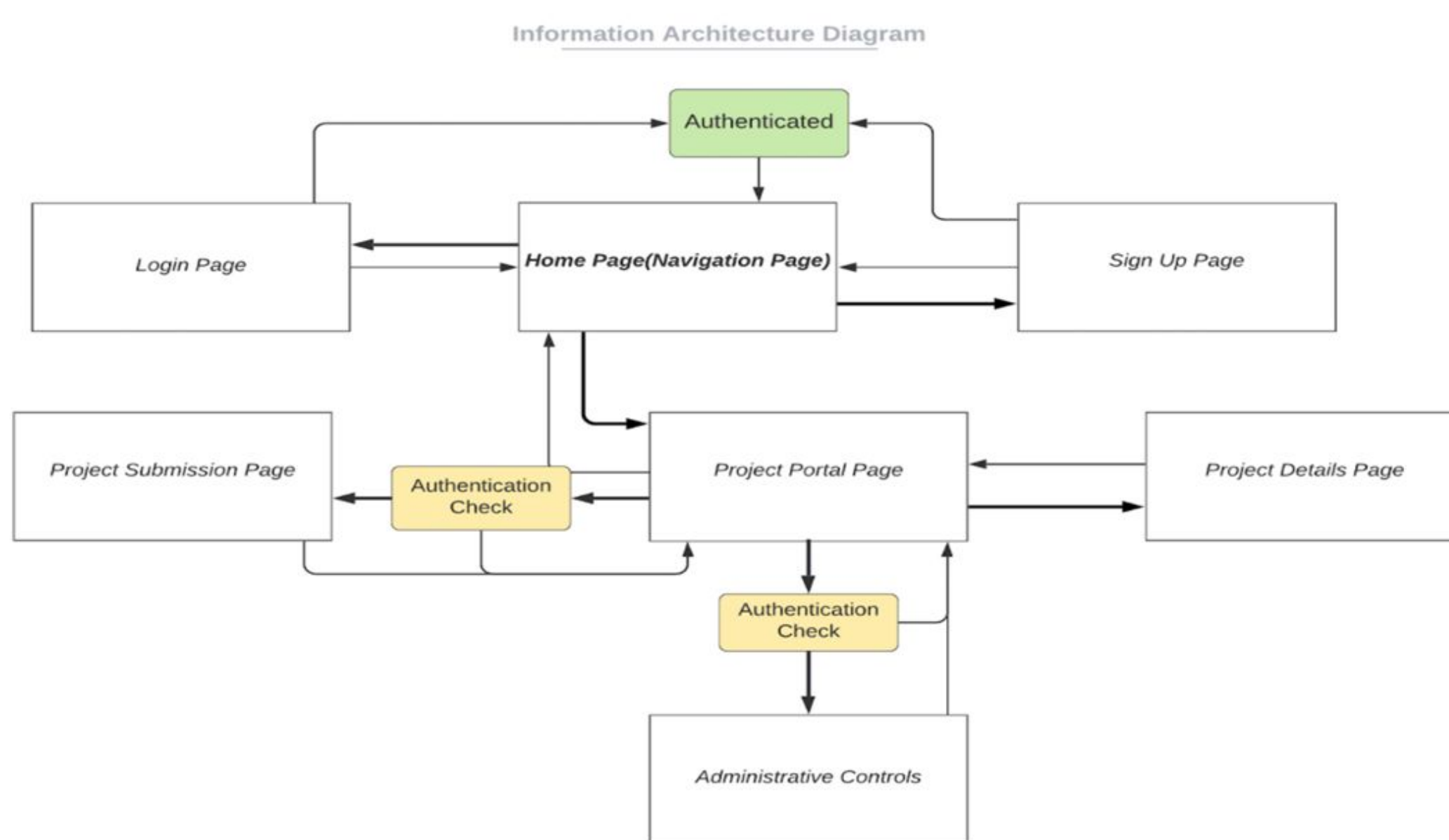
UNT Research and Projects Portal

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Computer Science and Engineering



Design



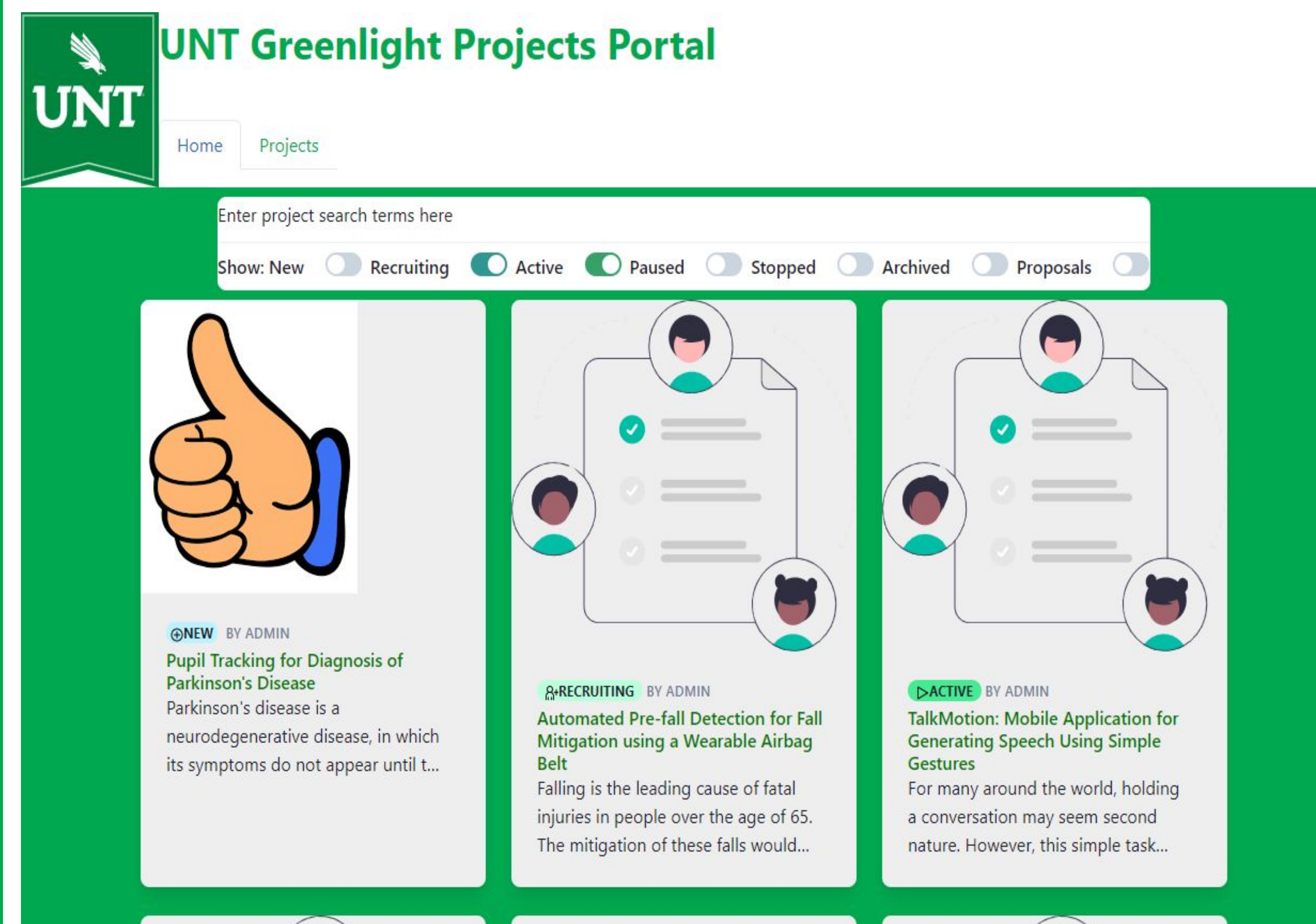
The projects portal consists of a back-end powered by MongoDB and accessed through a proprietary REST API. A front-end authored in React using the Chakra-UI library provides users a mobile-friendly and intuitive way to view research and project opportunities sponsored by North Texas.

It also allows authorized administrators to adjust details of and curate projects to ensure the quality of the website's project list.

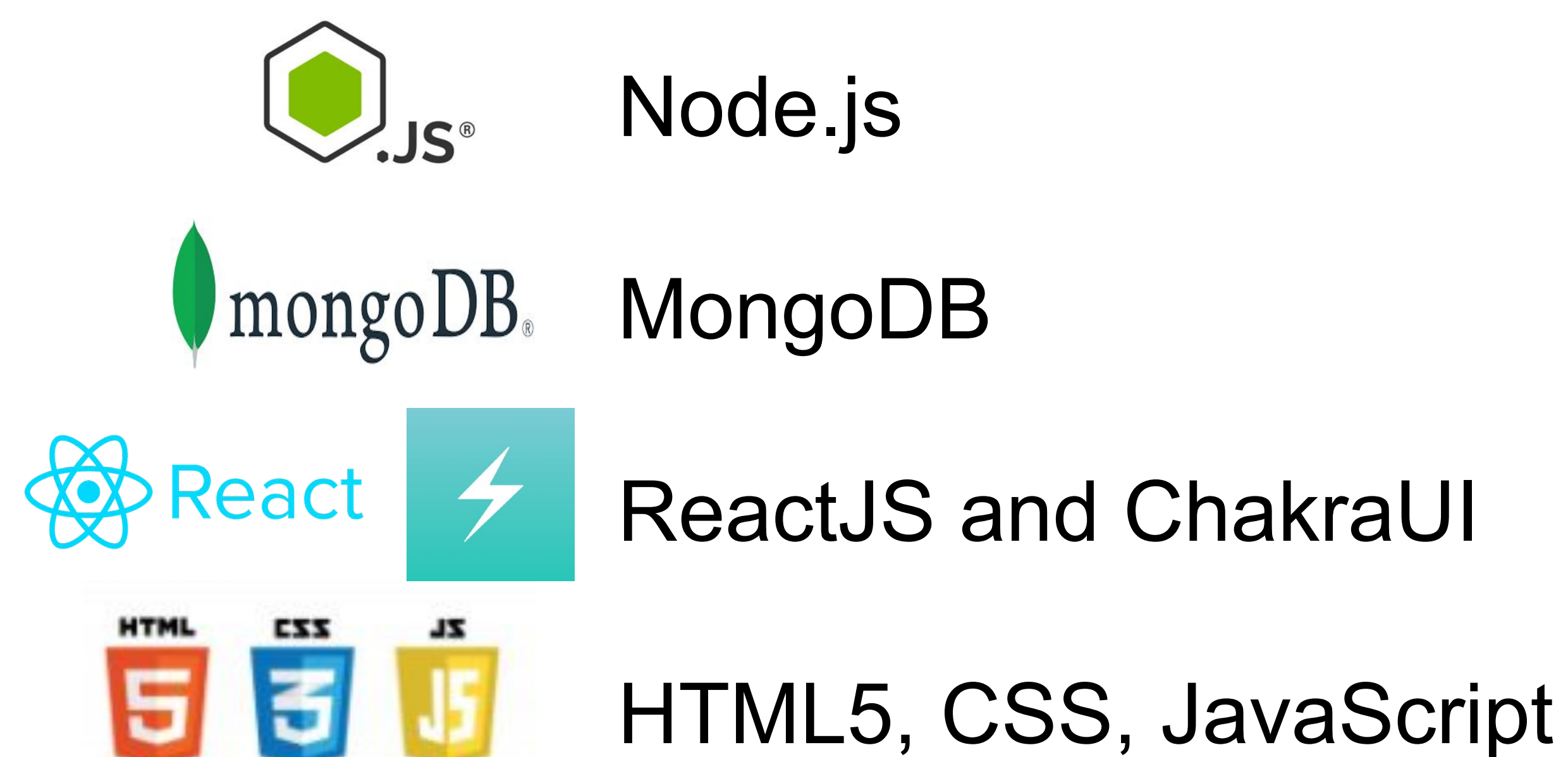
Features

- Import/export projects from file
- Administrator role over projects
- Project status label
- Image upload by project creator
- Search system for tags and titles
- Enhanced authentication

Homepage



Technologies Used



Overview

The UNT Research and Projects Portal is an application that allows for both professors and students to list their projects and view those of others in a central repository.

The intent of the project is for UNT community students to be able to easily search for or create a project to work on.

The repository itself offers many features that allow students to find a project they are interested in and collaborate with other developers.

The website also includes a status tracking system for each project, controlled by administrators to show which projects are currently being worked on.



Testing

Our test plan has focused mainly on examining the probable situations that a user would find them in over the course of using the website from the user's perspective (black-box testing), and ensuring to the best of our ability that results remain within expected parameters, or fail cleanly when that isn't an option.