

CHALK MOUNTAIN

ASSET MANAGEMENT

Zyler Niece, Matthew Bolding, Emma Sanders, Joey Flores

OVERVIEW

TEAM

Joey Flores **Backend**

Matthew Bolding **Backend**

Zyler Niece **Frontend**

Emma Sanders **Frontend**

CLIENT



Dorian Dhamo



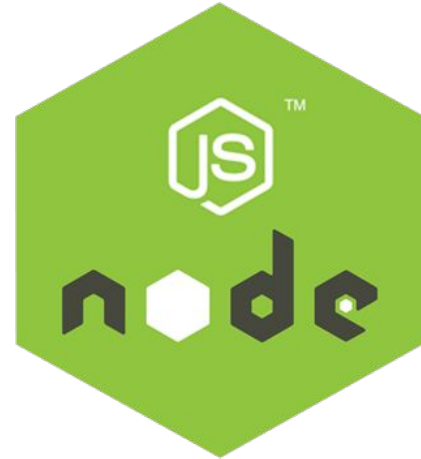
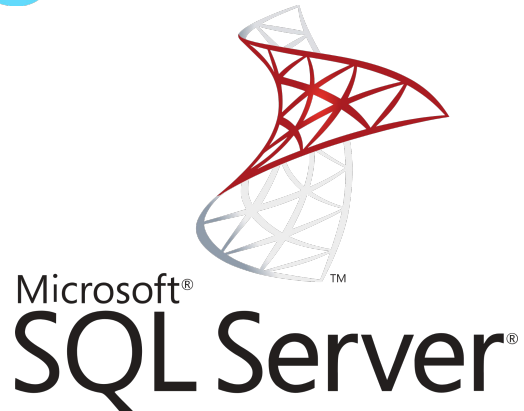
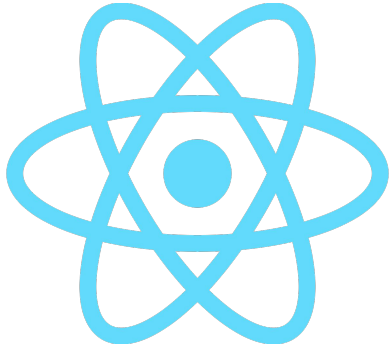
Luke Anderson



CHALK MOUNTAIN - ASSET MANAGEMENT

- Inventory of over 1300 assets
- Need to keep track of assets (tractors/trailers) via CRUD
- Restrict access so that different users have different access
- Administrator, Yard Coordinator, Mechanic, Planner

SOFTWARE USED



SOFTWARE DEVELOPMENT PLAN

	1ST ITERATION	WINTER ITERATION	SPRING ITERATION
KEY ACTION 01	Setup Microsoft VM's with proper requirements	Consider client feedback on 1st iteration	Login Authentication using Security Assertion Markup Language
KEY ACTION 02	Configure SQL Server database	Create necessary API's	Role-Based Access Control for different actions
KEY ACTION 03	Design & develop frontend in React.js	Database procedures to enable logging of actions	Responsive features for web and mobile devices

DEMO

REFLECTION

WHAT WORKED

Self-organizing teams;
individual strengths

WHAT WORKED

Developing in virtual
environment

WHAT WORKED

Communication with the client

WHAT NEEDS TO BE IMPROVED

GitHub tracking

WHAT NEEDS TO BE IMPROVED

Balance of requirement
elicitation and developing

WHAT NEEDS TO BE IMPROVED

Estimating how long
various tasks take

WHATS NEXT

WINTER ITERATION

- Refactor code to backend to increase extensibility.
- Request feedback from client testing.

SPRING ITERATION

- Improve front-end design; make responsive for mobile.
- Authentication; role-based access.
- Concurrency considerations.
- Off-prim access.

QUESTIONS?