

An Asset Management System for Increased Efficiency and Accountability

Authors: Matthew Bolding, Joey Flores, Zyler Niece, Emma Sanders Advisors: Dr. Krishna Kadiyala and Dr. Bingyang Wei



Project Goal

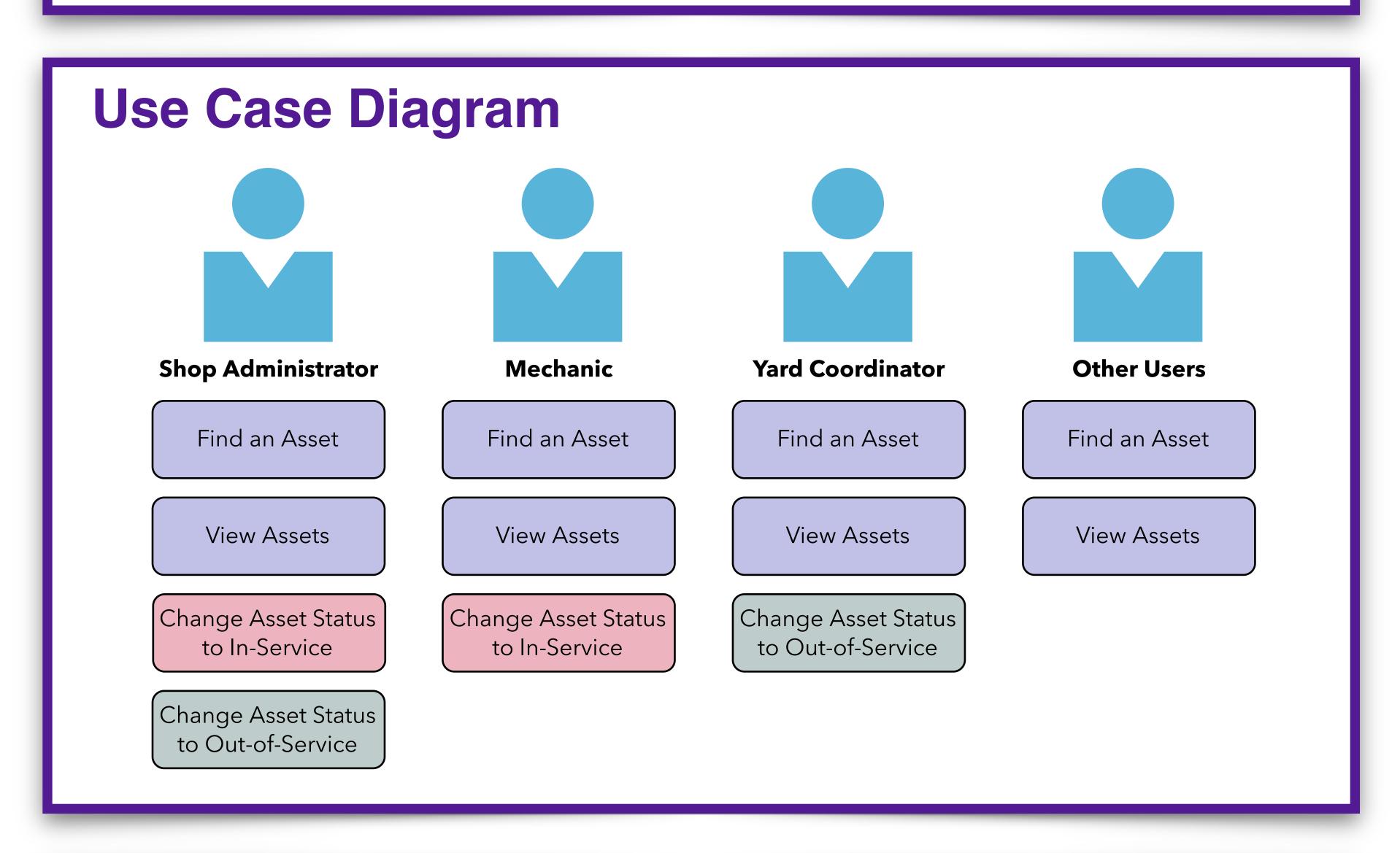
Provide an asset management system, suitable for a wide range of users, so that Chalk Mountain Services of Texas, LLC. ("the company") may execute day-to-day business operations optimally and efficiently.

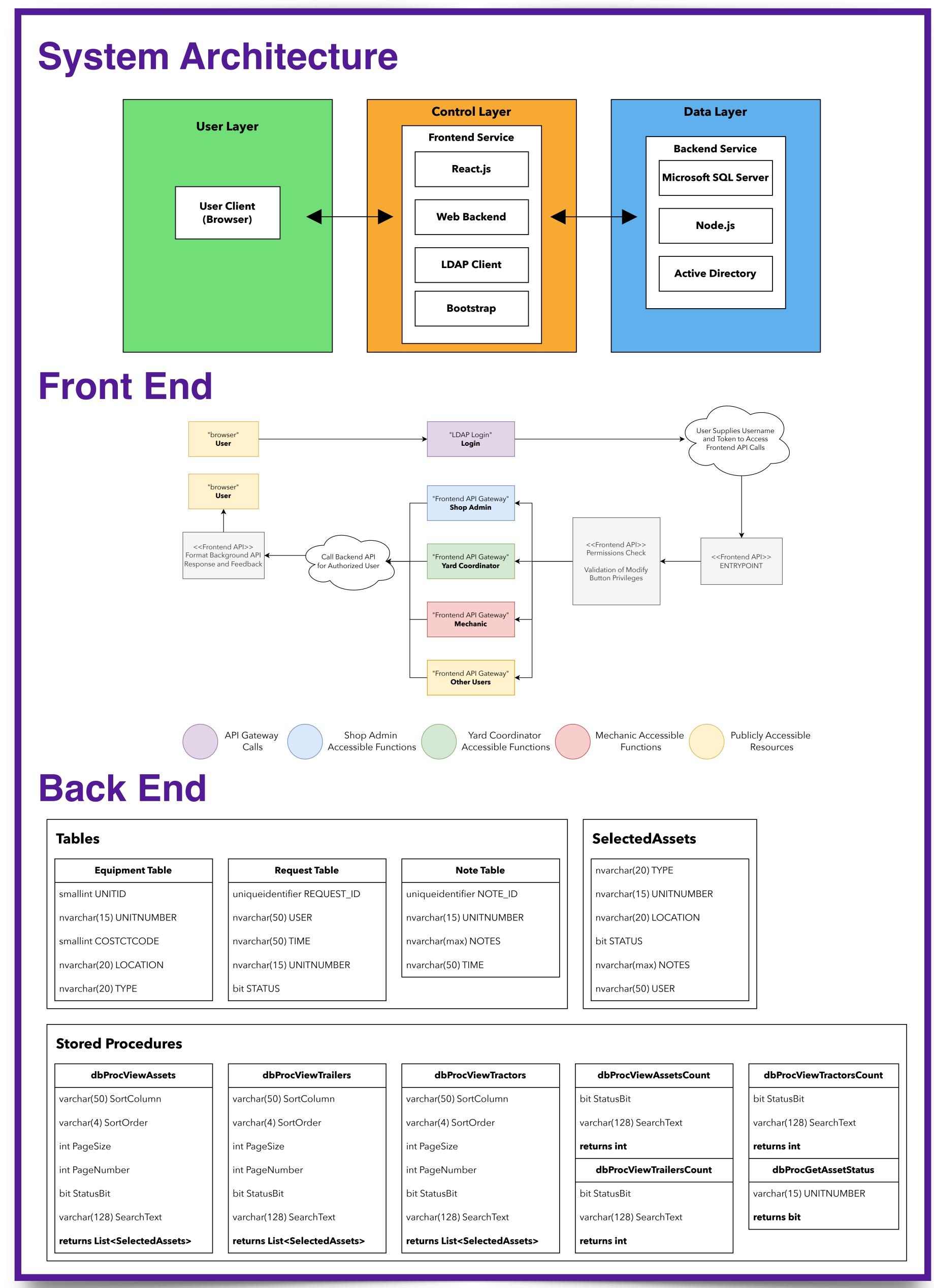
Problem Motivation

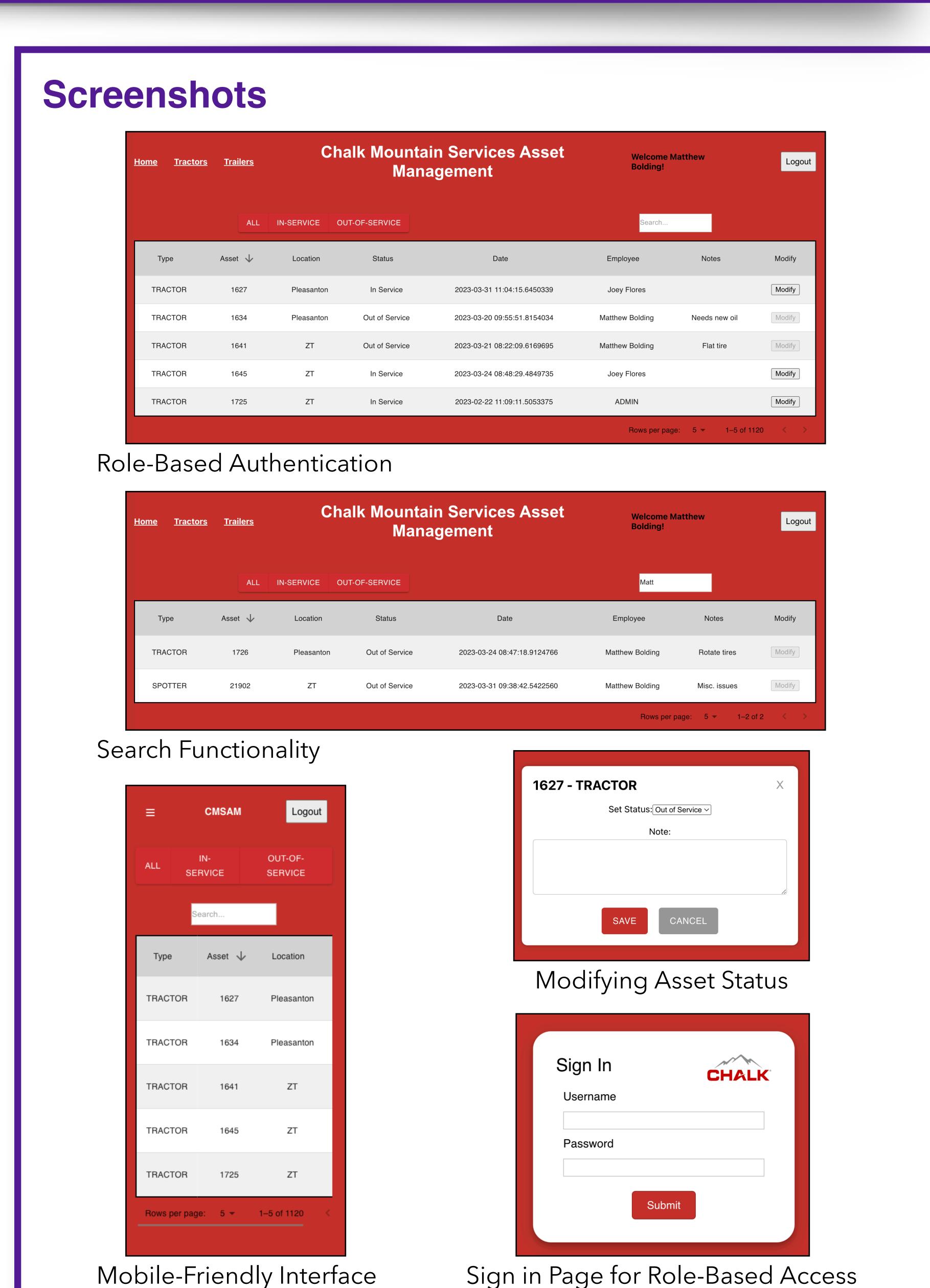
The company's assets, composed of tractors and trailers, need to have the correct state assigned to them—in-service or out-of-service. The current solution—one that's not mobile friendly—allows for any user to make modifications to any asset, the consequences of which cascades throughout the company; other systems rely on data maintained by this system. To remediate these problems, the new system:

- implements role-based authentication;
- provides a mobile-friendly interface.

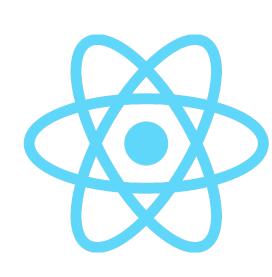
Through these changes, the company workflow is more efficient and each asset status change tags the appropriate user with the action.



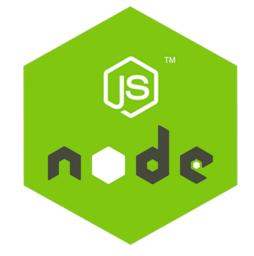




Technologies Used







Challenges

- Configuring Lightweight Directory Access Protocol to interface with Active Directory.
- Constrained to working in a remote desktop environment.
- Implementing role-based access with security groups.
- Learning how to work with Microsoft SQL Server.

Acknowledgements

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