Alpha Presentation
Product Lifecycle Tracing System

The Capstone Experience

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Project Overview

- MillerKnoll is a made-to-order furniture company with a lot of unique data.
- Software provides insight into product to part relationships and effects of discontinuation.
- Supports supply and product in making informed decisions regarding production volumes.
System Architecture

Product Lifestyle Tracing System

Back End

Front End

Web Host

End-User

MillerKnoll Data

DevOps

snowflake

docker

CI/CD

express

NEXT.js

React

Vercel

The Capstone Experience
Team MillerKnoll Alpha Presentation
Product Reference Lookup

0024343298

Standard-Pull Freestanding Pedestal

Project ID: NAGS3X
Subcategory: Storage
Line: K. Task
Final Order Date: Saturday, February 3, 2024
Final Ship Date: Thursday, February 8, 2024
Region(s):
Product to Parts Lookup

Results for "0024343298"

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Simulating Product Discontinuation
Part to Products Lookup
What’s left to do?

• Finish parsing Snowflake database
• Iterate on data visualization
• Integrate with company SSO (OneLogin)
• Interactive tooltips to walk users through each feature
• Set up DevOps and deploy to Vercel
• Stretch goal: Stock warning & supplier contact feature
Questions?