MICHIGAN STATE UNIVERSITY Beta Presentation Computer Vision for Furniture Manufacturing The Capstone Experience

Team Herman Miller

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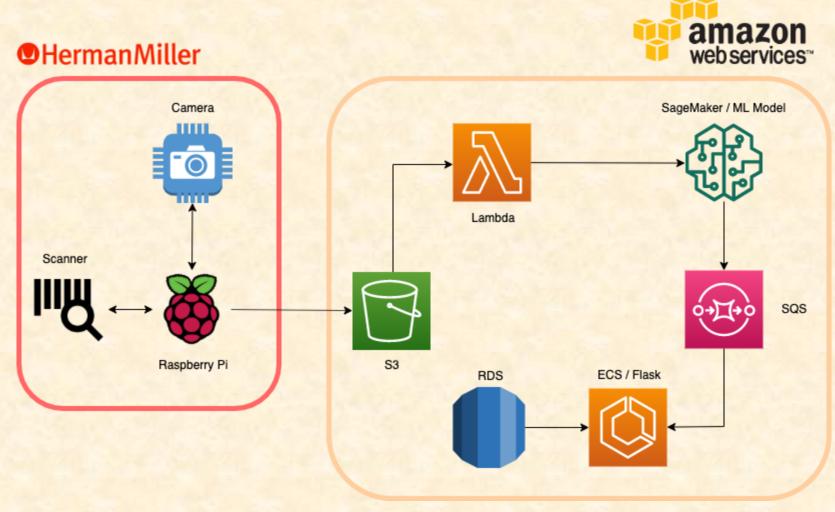


From Students... ...to Professionals

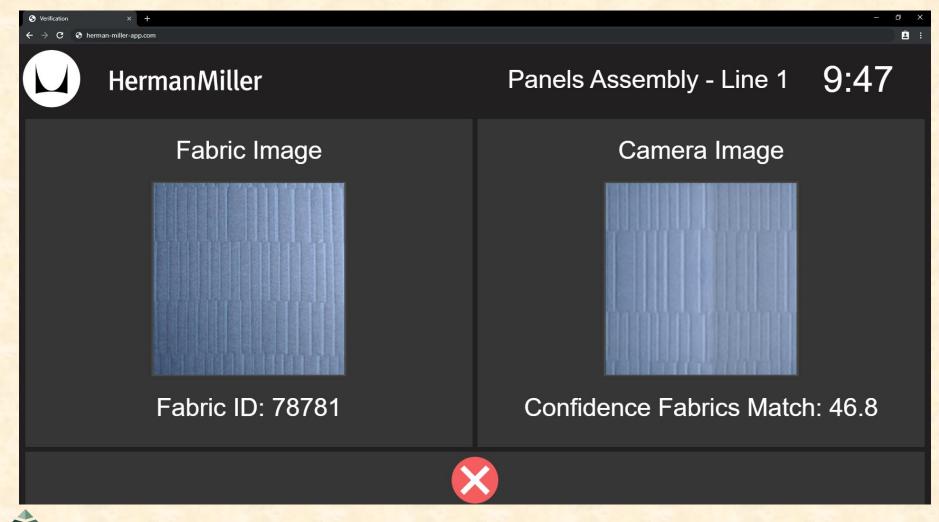
Project Overview

- Automates verification process after fabrics are glued on to panels
- Assists human inspection

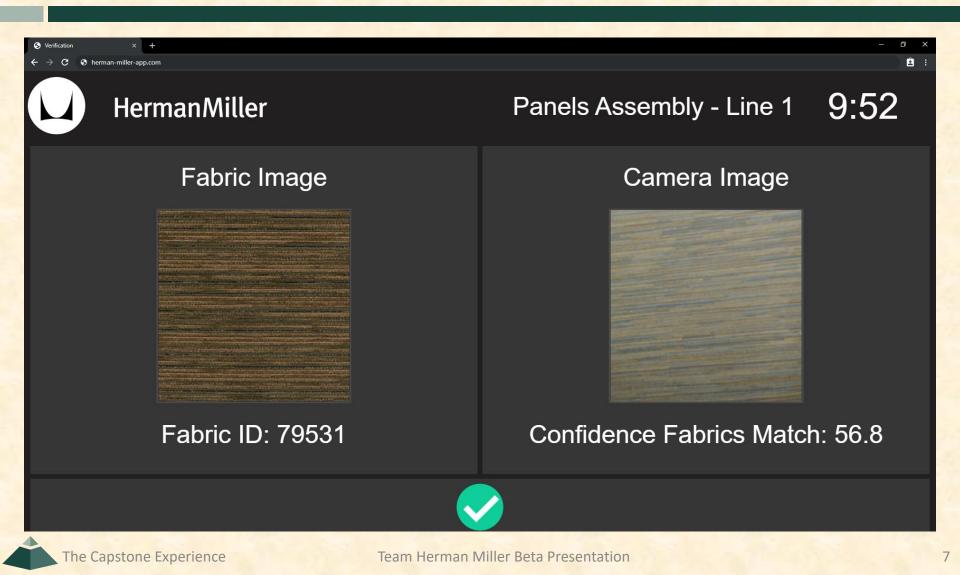
System Architecture



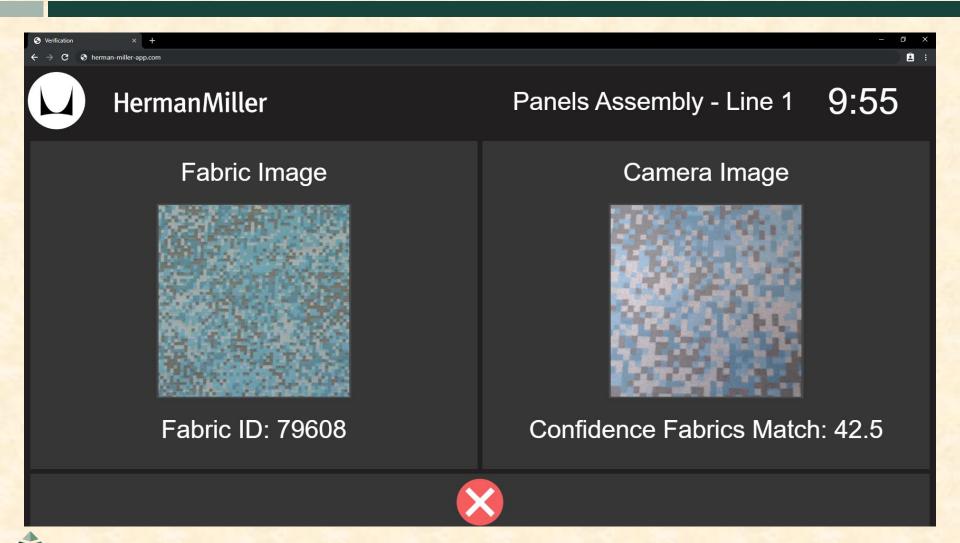
Inconsistent Lighting



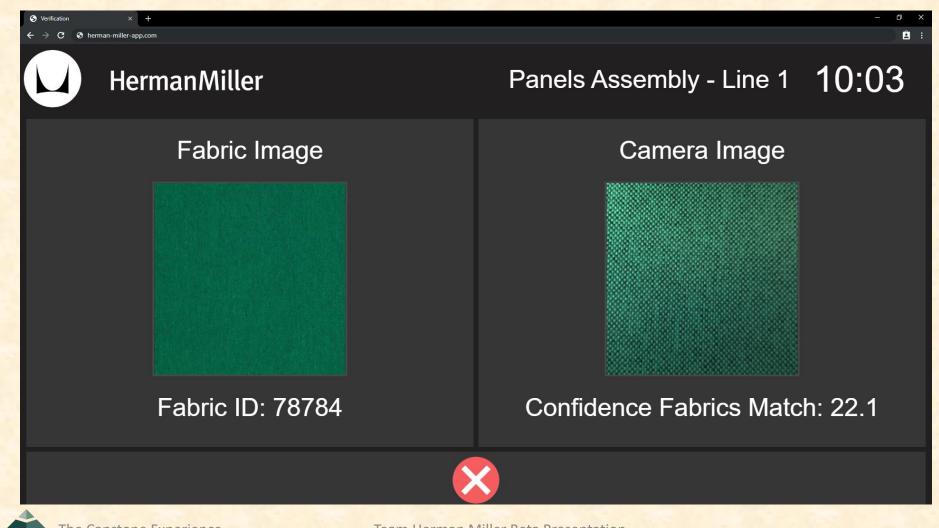
Pattern and Color Match



Pattern Scale



Inconsistent Lighting



What's left to do?

- Verify RDS data
- Assembly line scanner configuration
- Further optimization on models
- (Stretch Goal) History

Questions?

