Beta Presentation
Advancing PreK-12 Educational Opportunities

The Capstone Experience
Team Malleable Minds

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Project Overview

• A review aggregator web app that connects parents, educators, and providers in a transparent catalog of pathway-specific learning opportunities for PreK – 12 students.

• We're appending to the existing web app platform: implementing performance enhancements through a new serverless backend, skill trees and subject pages, a redesigned home page, and more.
System Architecture

Back End
- Python
- node.js
- okta
- RDS
- Lambda
- S3
- CloudFront

AWS

Front End
- React
- User
- Route 53

Website

OpenSearch
Home Page
Skill Tree

Aerospace Engineering Pathway

5th Grade
Summer Camp: Engineer This KID Museum

6th Grade
Summer Camp: Space Engineers KID Museum

7th Grade
StemQuest Seniors Camp: Dancing Air and Ground Show STEM Quest Camp

8th Grade
Provider Page
What’s left to do?

• Stretch Goals
  ▪ Make pages iPad and iPhone responsive
  ▪ Admin page redesign

Other Tasks
  ▪ Continue UI redesigns of existing pages
  ▪ Clean up code and add comments
  ▪ More extensive bug testing
  ▪ Miscellaneous Flask -> Lambda transition work (30%)
Questions?