MICHIGAN STATE
UNIVERSITY

Alpha Presentation
Advancing PreK-12 Educational Opportunities

The Capstone Experience

Team Malleable Minds

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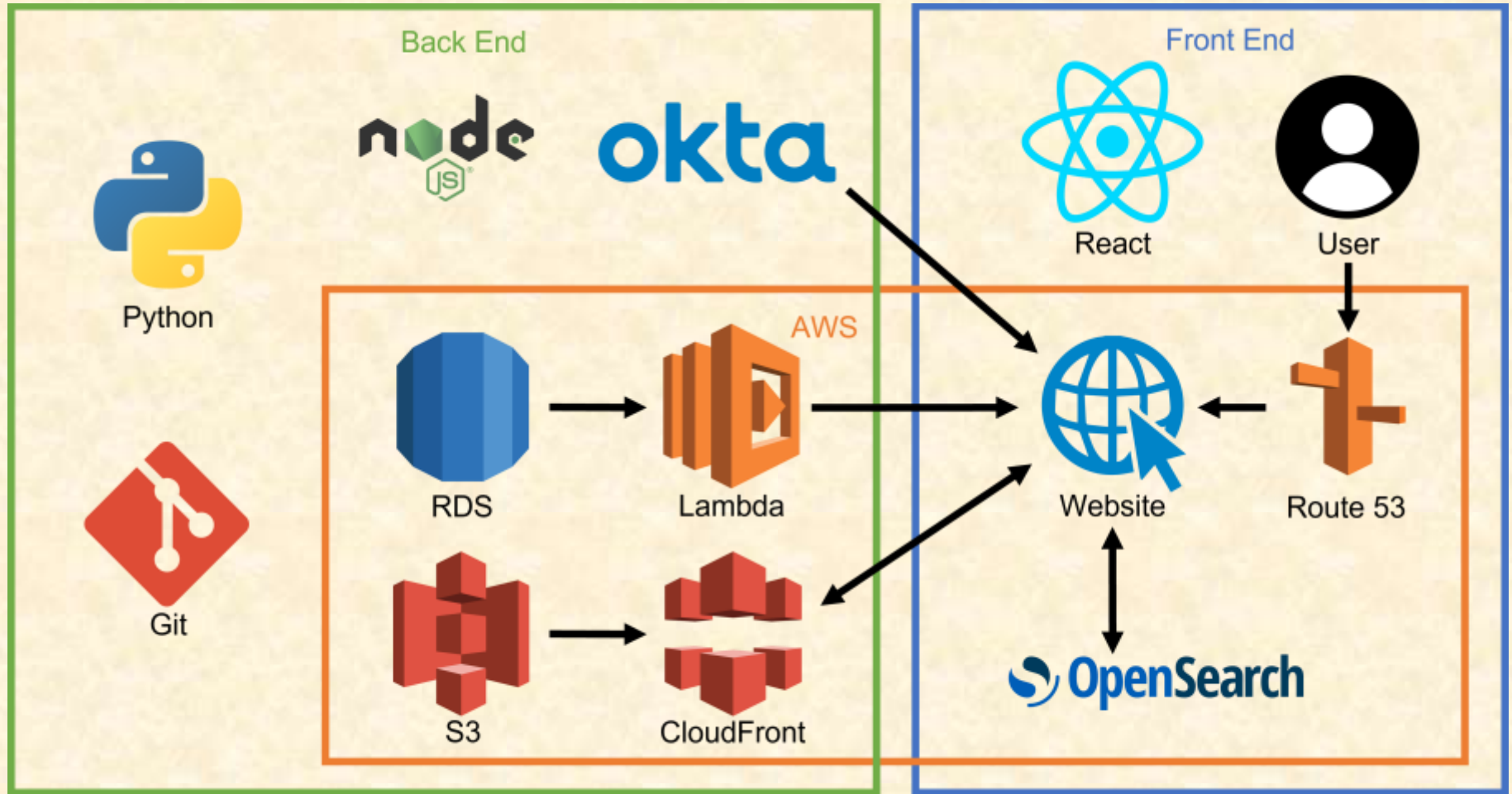Michigan State University

Spring 2022
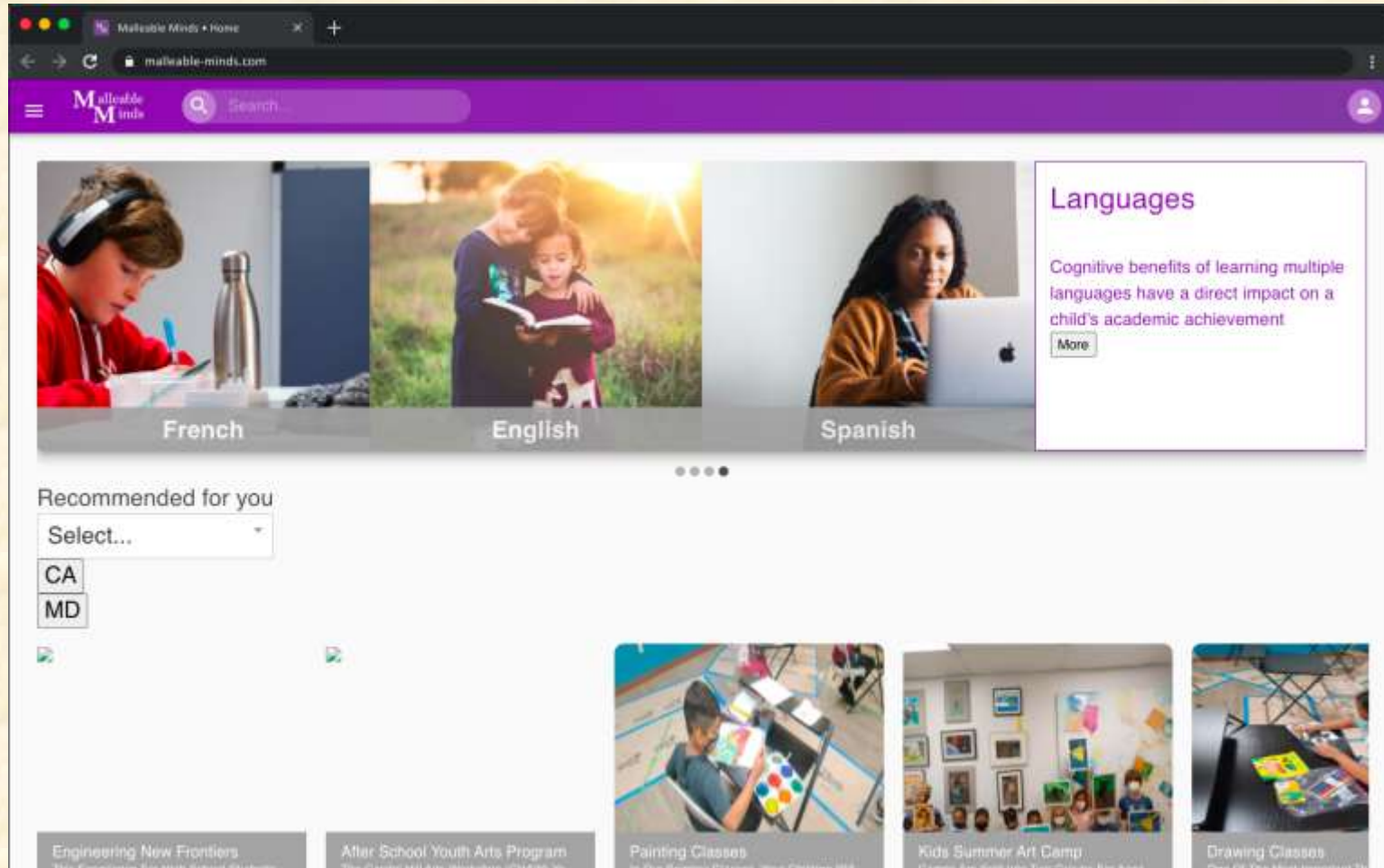
From Students…
…to Professionals

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.
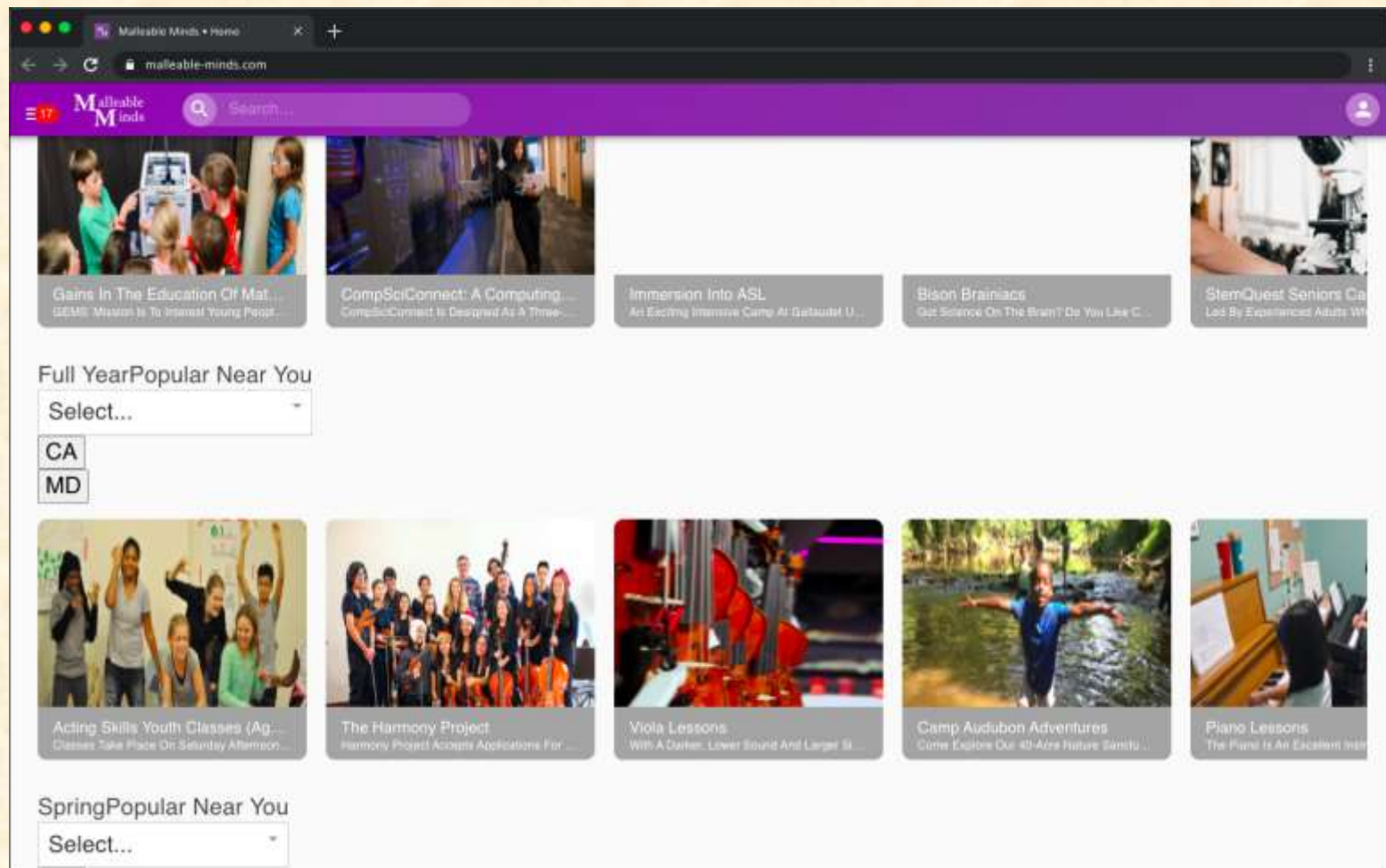
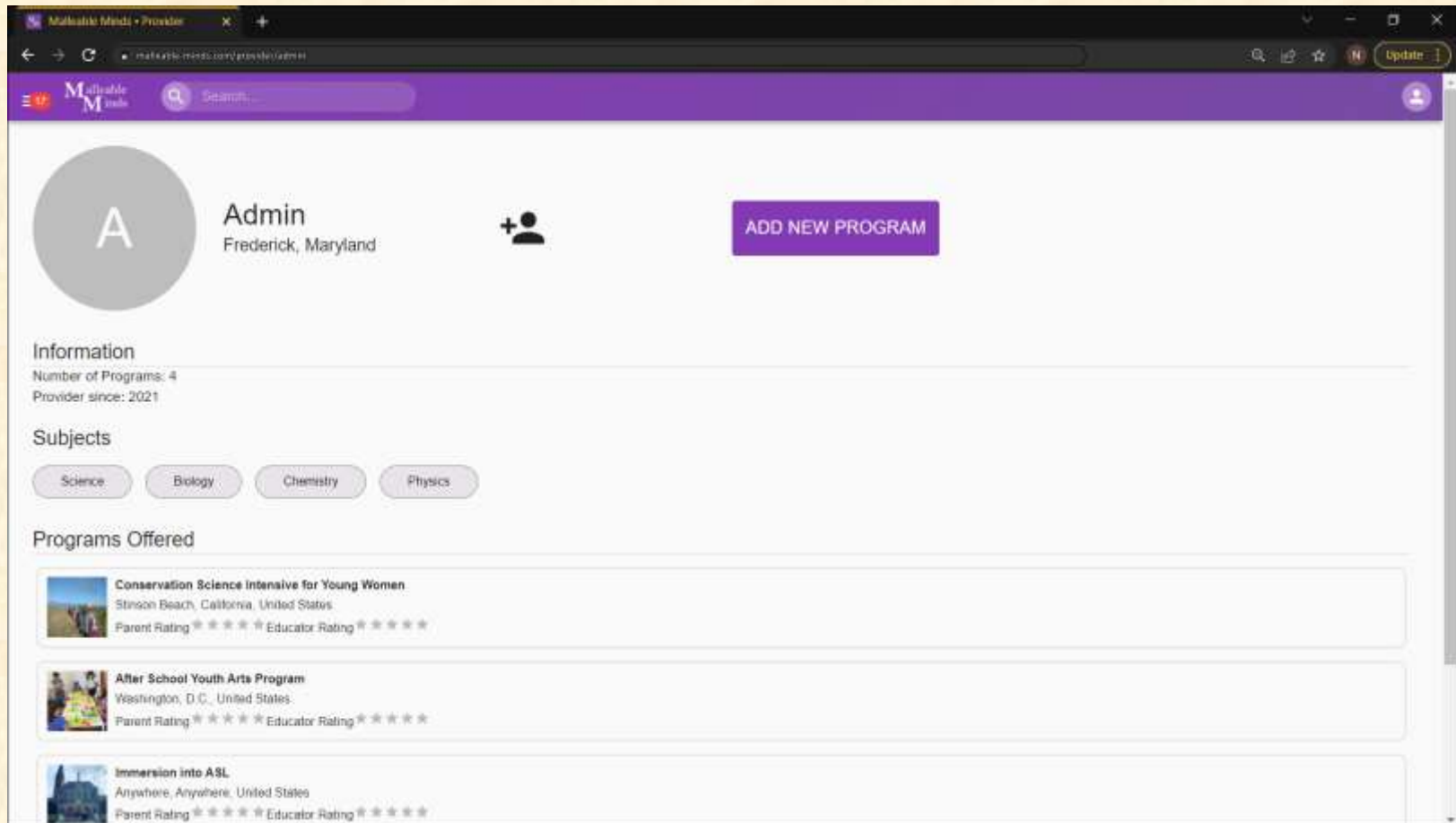# System Architecture

Home Page 1

Home Page 2

Provider Page 1

Provider Page 2

What's left to do?

- Front-end
  - Create skill tree component page and add functionality
  - Create New Subject Pages
  - Create Admin Page
  - Redesign pages and add additional features
- Back-end
  - Convert remaining flask functions to AWS lambda
  - Implement necessary lambda functions for skill tree and subject pages from scratch
  - Deploy all AWS lambda functions remotely

Questions?