

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Advancing PreK-12 Educational Opportunities

The Capstone Experience

Team Malleable Minds

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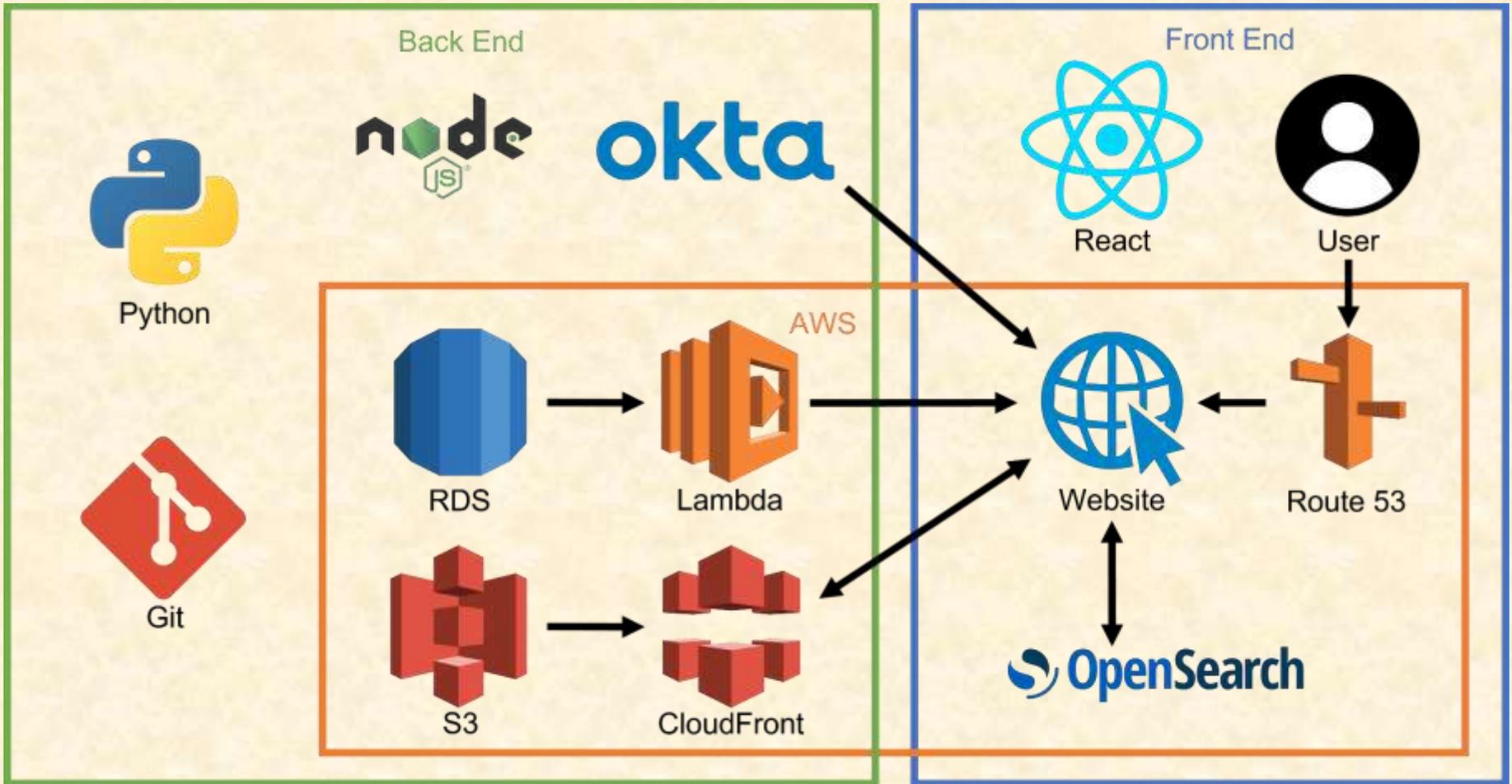
*From Students...
...to Professionals*

Project Overview

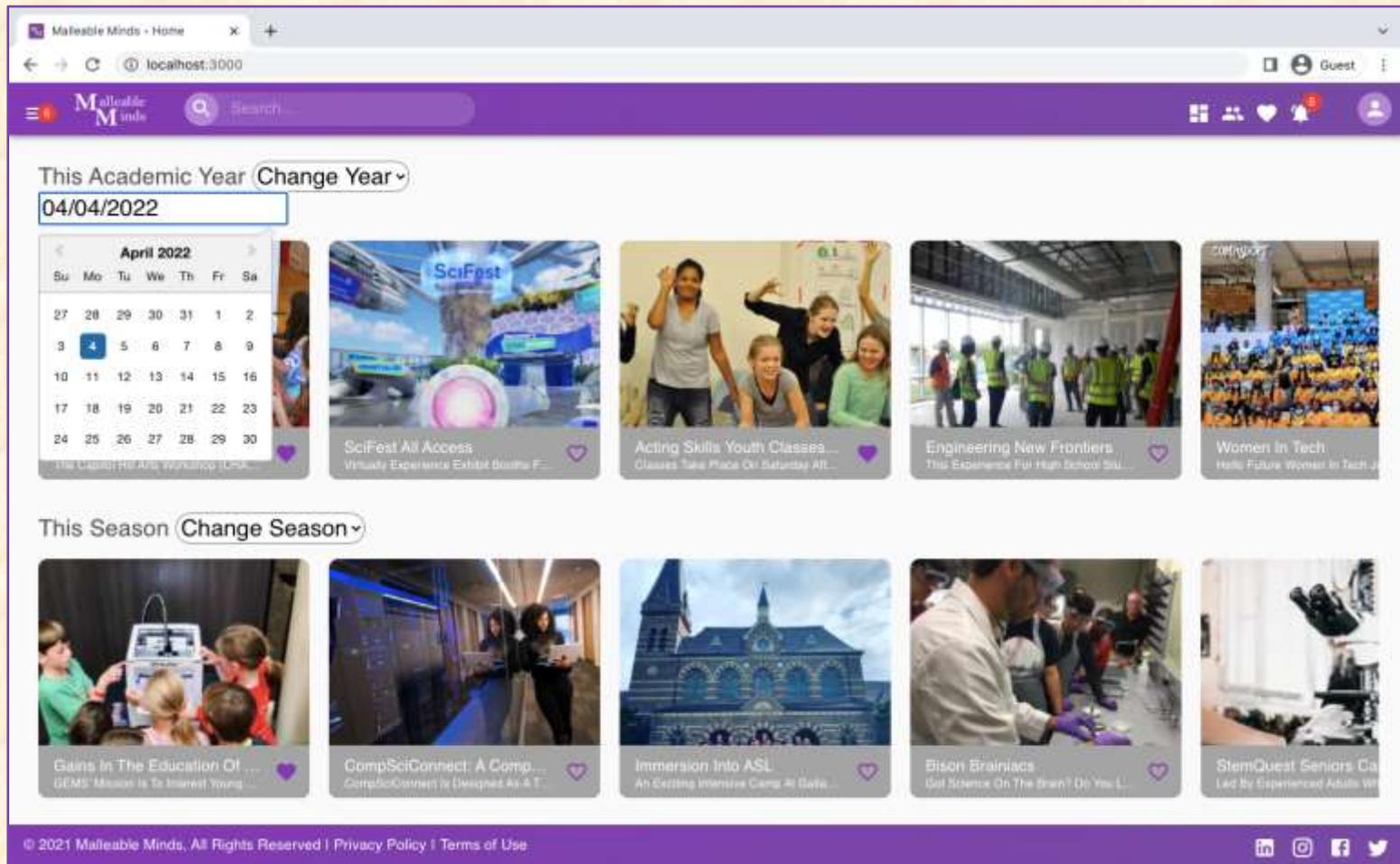
- A review aggregator web app that connects parents, educators, and providers in a transparent catalog of pathway-specific learning opportunities for PreK – 12 students.
- We're appending to the existing web app platform: implementing performance enhancements through a new serverless backend, skill trees and subject pages, a redesigned home page, and more.



System Architecture



Home Page



Skill Tree

The screenshot shows a web browser window with the URL `localhost:3000/profile`. The page header includes the 'Malleable Minds' logo and a search bar. The user profile section displays the name 'Noah' and the grade '5'. A purple button labeled 'Aerospace Engineering Pathway' is visible, with 'VIEW' and 'EDIT' options below it.

The main content area is titled 'Aerospace Engineering Pathway' and features a vertical timeline with four activity boxes:

- 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:** (Activity box is partially visible)

The footer contains the copyright notice: '© 2021 Malleable Minds, All Rights Reserved | Privacy Policy | Terms of Use' and social media icons for LinkedIn, Instagram, Facebook, and Twitter.

Provider Page

The screenshot displays a web browser window with the URL `localhost:3000/provider/34`. The page header includes the Malleable Minds logo and a search bar. The main content area features the profile for Shakespeare Theater Company, located in Frederick, Maryland. The profile includes a circular logo with the letter 'S', a '+ person' icon, and an 'Information' section stating 'Number of Programs: 2' and 'Provider since: 2021'. Below this is a 'Subjects' section with buttons for Science, Biology, Chemistry, and Physics. The 'Programs Offered' section lists two programs: 'Acting Skills Youth Classes (Ages 9-13)' and 'Kings Company Virtual Camp', both with 5-star ratings for both Parent and Educator. A 'Likes' sidebar on the right shows a list of recent posts, including 'EV3Botics Summer Camp', 'UMD Cyber Defense Trai...', 'Young Creators Program', and 'Acting Skills Youth Classe...'. The footer contains copyright information for 2021 Malleable Minds and social media icons for LinkedIn, Instagram, Facebook, and Twitter.

Malleable Minds • Provider

localhost:3000/provider/34

Malleable Minds Search

Shakespeare Theater Company
Frederick, Maryland

Information
Number of Programs: 2
Provider since: 2021

Subjects
Science Biology Chemistry Physics

Programs Offered

- Acting Skills Youth Classes (Ages 9-13)**
Washington, District of Columbia, United States
Parent Rating ★★★★★ Educator Rating ★★★★★
- Kings Company Virtual Camp**
Washington, District of Columbia, United States
Parent Rating ★★★★★ Educator Rating ★★★★★

Likes
Recent [See All](#)

- EV3Botics Summer Camp
1 day ago
- UMD Cyber Defense Trai...
1 day ago
- Young Creators Program
1 day ago
- Acting Skills Youth Classe...
1 day ago

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Subject Page

The screenshot shows a web browser window displaying the Malleable Minds Subject Page. The browser address bar shows 'localhost:3000/subject/0'. The page header includes the Malleable Minds logo, a search bar, and user profile icons. The main content area features a large banner image of a person's arm in a blue shirt with the word 'Art' overlaid. Below the banner, there is a section titled 'Skill Trees Available' with four buttons: 'Culinary Arts', 'Graphic Design', 'Music', and 'Theatre', each with a purple plus icon. Underneath, a 'Recommended for you' section displays five small thumbnail images of students in various activities. A 'Notifications' dropdown menu is open on the right side, showing a list of notifications with bell icons and timestamps, including 'Website will be down next...', 'Please fill out this survey:', and 'Hey please don't forget to...'. The footer contains copyright information: '© 2021 Malleable Minds, All Rights Reserved | Privacy Policy | Terms of Use' and social media icons for LinkedIn, Instagram, Facebook, and Twitter.



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?

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