The Capstone Experience

Review Aggregator for Educational Programs

Team Malleable Minds

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Fall 2021
Project Overview

• Malleable Minds is an emerging startup building the world’s most extensive directory of PreK-12 educational programs

• The web application allows parents and educators to create and read reviews on educational programs

• We will be optimizing site performance and adding additional features on top of the existing review aggregator
System Architecture

Back-end

Flask

Python

React

JavaScript

Front-end

User Activity Dashboards

Database

Amazon RDS

Web Application

User

Authentication

Malleable Minds

okta

User Activity Dashboards

Metabase
Malleable Minds Homepage
Program Page

The Harmony Project
CREATE Art Center
Los Angeles, California, United States

Grade Level
K-12
Program Type
Full Year
Cost
$0
Scholarship Available
No
Remote
Yes

More Details

Parent Rating

Educator Rating

Reviews
Liked Programs

Beam Discovery
Dance Exchange
Los Angeles

Parent Rating: ★★★★★
Educator Rating: ★★★★★

Camp Audubon Adventures
Audubon Naturalist Society
Chevy Chase

Parent Rating: ★★★★★
Educator Rating: ★★★★★

GirlsBuild Challenge
For Love of Children
Los Angeles

Parent Rating: ★★★★★
Educator Rating: ★★★★★

The Summer Institute in Science Technology, Engineering Research (SISTER) Program
The National Society of Black Engineers (NSBE)
Parent Profile Page

The profile page includes sections for contact information, location information, child information, and reviews. The child information section lists the names and grades of the children associated with the profile:

<table>
<thead>
<tr>
<th>Name</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jimmy</td>
<td>K</td>
</tr>
<tr>
<td>Kate</td>
<td>2</td>
</tr>
<tr>
<td>Jack</td>
<td>3</td>
</tr>
</tbody>
</table>
User Activity Dashboard
What’s left to do?

- Improve search functionality in AWS OpenSearch
- Recommendation engine implementation
- Skill tree system for users to track progress
- Status feature for users
- Optimize React user interface
Questions?