From Students…
…to Professionals

MICHIGAN STATE UNIVERSITY

Alpha Presentation
GameChang3rs Learning Management System

The Capstone Experience
Team Michael Sadler Foundation

Ahmad Bazzi
Sam Liao
Cody Mohr
Hannah Wood

Department of Computer Science and Engineering
Michigan State University
Fall 2019
Project Overview

• Centralized website for GameChang3rs LMS
• Ease of use and expansion
• All data in one secure place
• Foundation adds content/users, enrolls high school ambassadors
• Sponsors and admins view data
• Elementary students complete quizzes
• Ability to view Google Apps in the system
System Architecture

END USER

WEB USERS (Administrators and Ambassadors)

AWS

Amazon EC2

MySQL

S3 Storage

Elastic Beanstalk

JavaScript

HTML5

Laravel

Bootstrap

php
## View Data Page

### VIEW DATA

<table>
<thead>
<tr>
<th>Student Number</th>
<th>Pre Quiz Results</th>
<th>Post Quiz Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>002</td>
<td>Complete</td>
<td>Incomplete</td>
</tr>
<tr>
<td>003</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>004</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>005</td>
<td>Complete</td>
<td>Incomplete</td>
</tr>
<tr>
<td>006</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>007</td>
<td>Incomplete</td>
<td>Incomplete</td>
</tr>
<tr>
<td>008</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>009</td>
<td>Complete</td>
<td>Complete</td>
</tr>
<tr>
<td>010</td>
<td>Complete</td>
<td>Incomplete</td>
</tr>
<tr>
<td>011</td>
<td>Incomplete</td>
<td>Incomplete</td>
</tr>
</tbody>
</table>
Lesson Presentation
Program Management

Hello hejase@hotmail.com

List of Programs

Search For Programs:

Program 2nd Grade
- Access Program
- Edit Users
- Edit Assignments
- Delete Program

Program 6th Grade
- Access Program
- Edit Users
- Edit Assignments
- Delete Program

Program 8th Grade
- Access Program
- Edit Users
- Edit Assignments
- Delete Program
User Management

![User Management Page](image-url)
What’s left to do?

• Properly pull and display data
• Fully integrate CSV functionality
• Polish front-end UX
• Fully integrate website on AWS
• Extensive real-world testing/debugging
Questions?