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Project Sponsor: Terry E. Baxter

College of Engineering,
Informatics, and Applied Science

What if school was a video game?

The Problem

Team Gaming Ed has made a learning management system from scratch in order to create a game-like environment that will allow professors greater flexibility when teaching a course.

A learning management system is a web application that allows schools to teach courses online. However, current versions also follow strict models for how they want classes to be taught. Any additional capabilities need to be manually done by professors. Unfortunately, the large companies behind these systems have very little competition or incentive to change this practice. Furthermore, gaming in general is still seen largely as a useless practice with no practical application. Our team aims to change that.

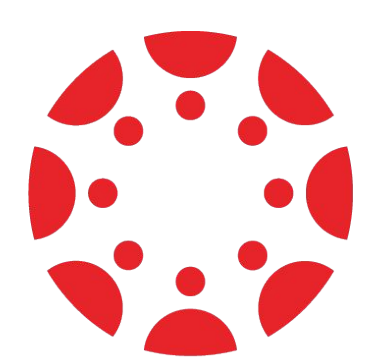
Company Comparison



GAMING ED.
CAPSTONE 2022

3 People

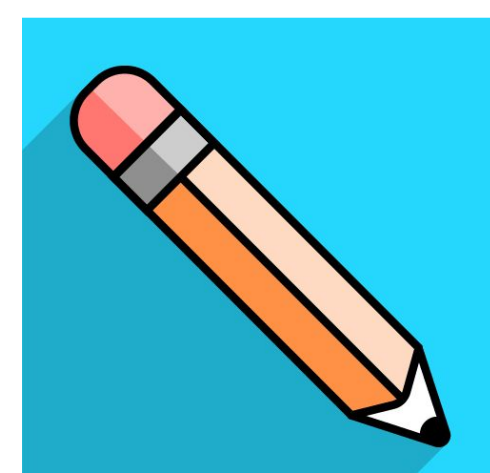
0.66 Years of
Development



CANVAS
BY INSTRUCTURE

1200 People

8 Years of
Development



Blackboard
LEARN

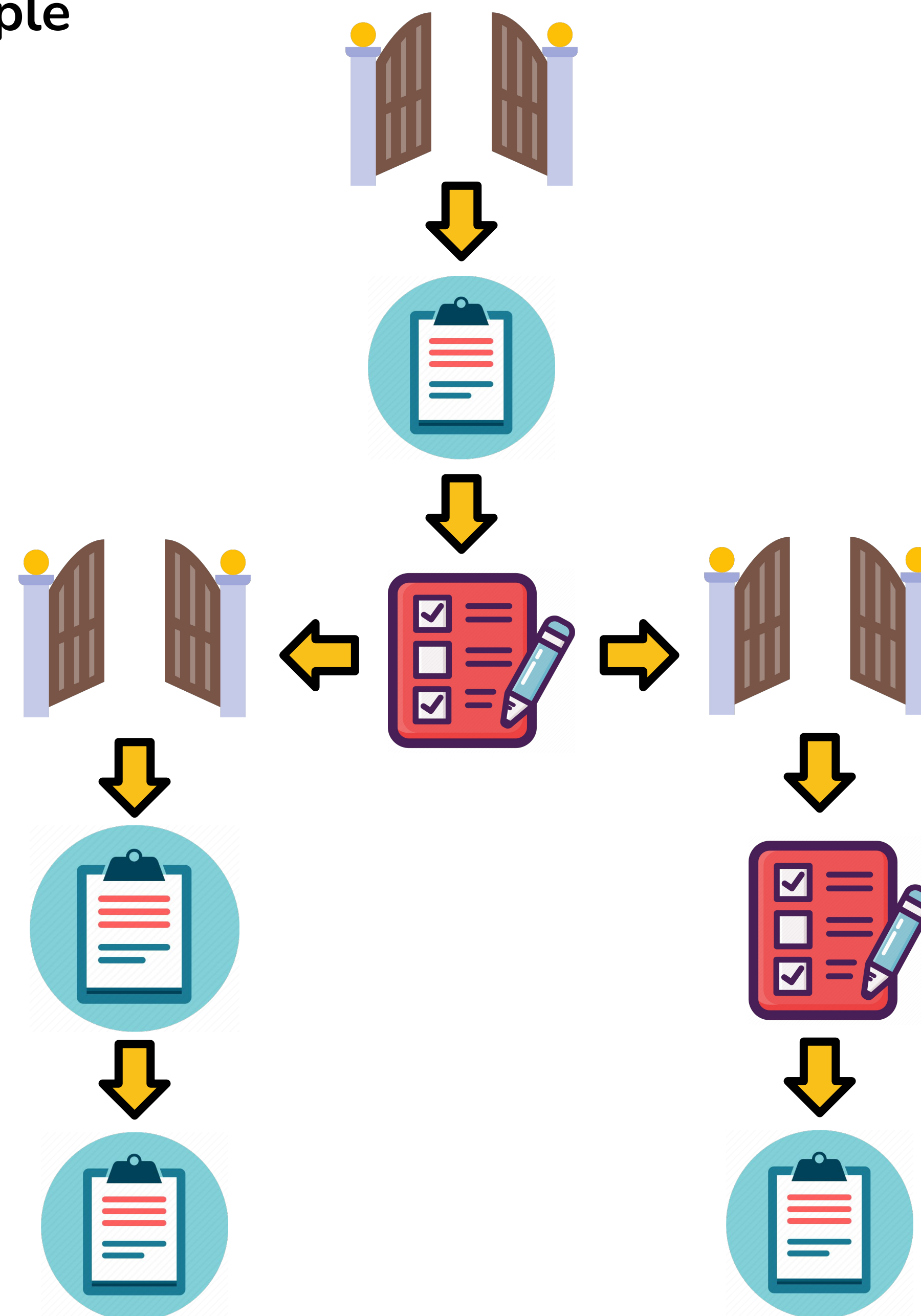
3000 People

12 Years of
Development

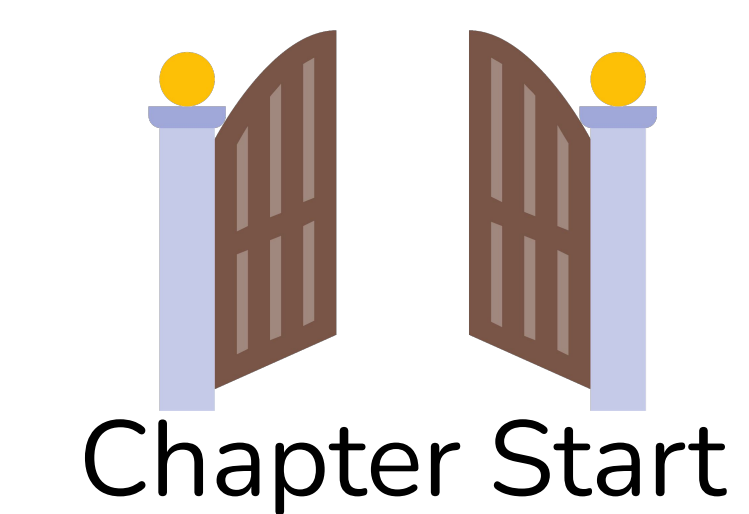
We felt that our project should be the next biggest and best learning management system on the commercial market. With one-hundredth of the manpower and time compared to popular companies, this wasn't possible. However, we hope that the program is picked up by more teams and continues to improve and develop.

Customizable Game Structure

Example



Icons



Assignment



Test/Quiz

Technologies



The Team



Grace Hsieh



Brett Lewerke



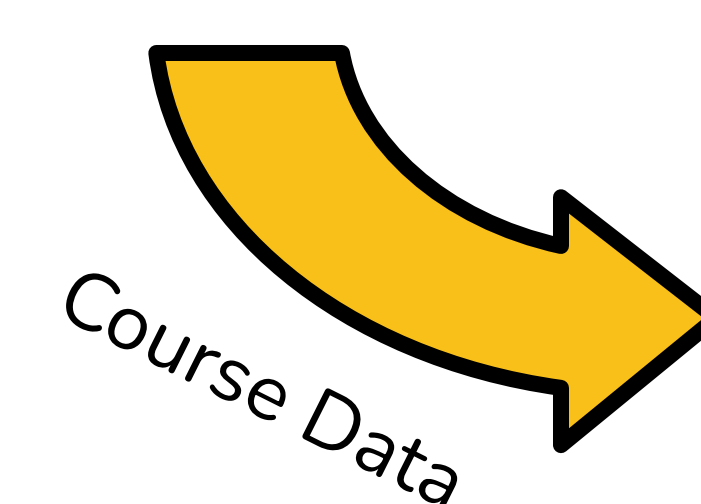
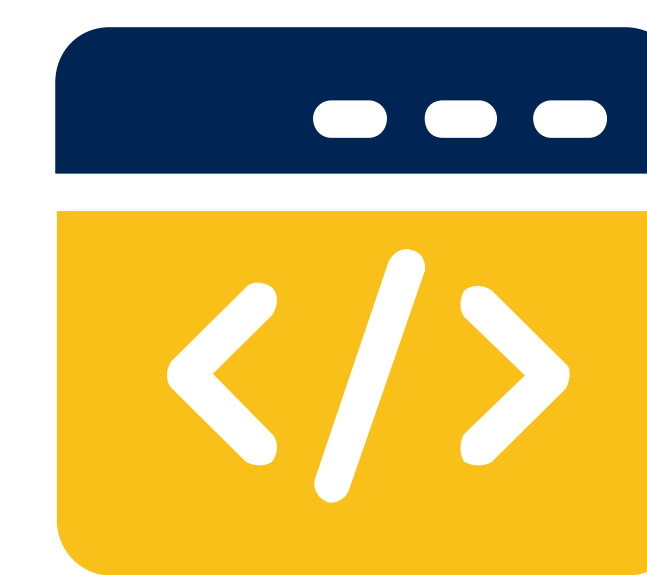
Chayson
Spigarelli

Architecture

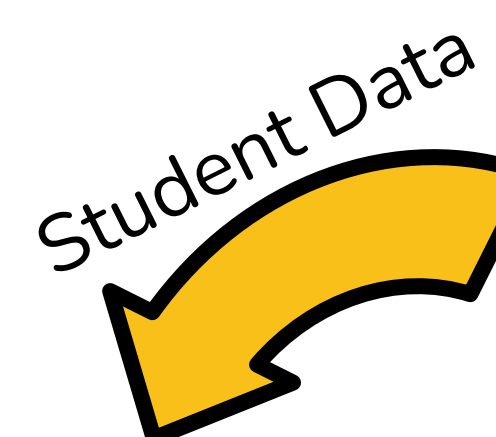
Desktop Application



Website



Database



Inspiration



The goal is to make classes like a game. We were inspired by these titles and hope that these design choices make it easier for students to engage with their studies

Acknowledgements

Company logos and Pac-Man sprites are courtesy of their respective owners. Gaming Ed. does not claim to have created or own any of these. **Professor Terry E. Baxter:** Your creativity is inspiring and we thank you for trusting us with your project. We are going to miss you so very much. **Dr. Michael Leverington:** Thank you for making this project possible. We learned a lot from you and hope that we made you proud in the end.