

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Stroodle: Learning Management System

The Capstone Experience

Team Atomic Object

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Fall 2021



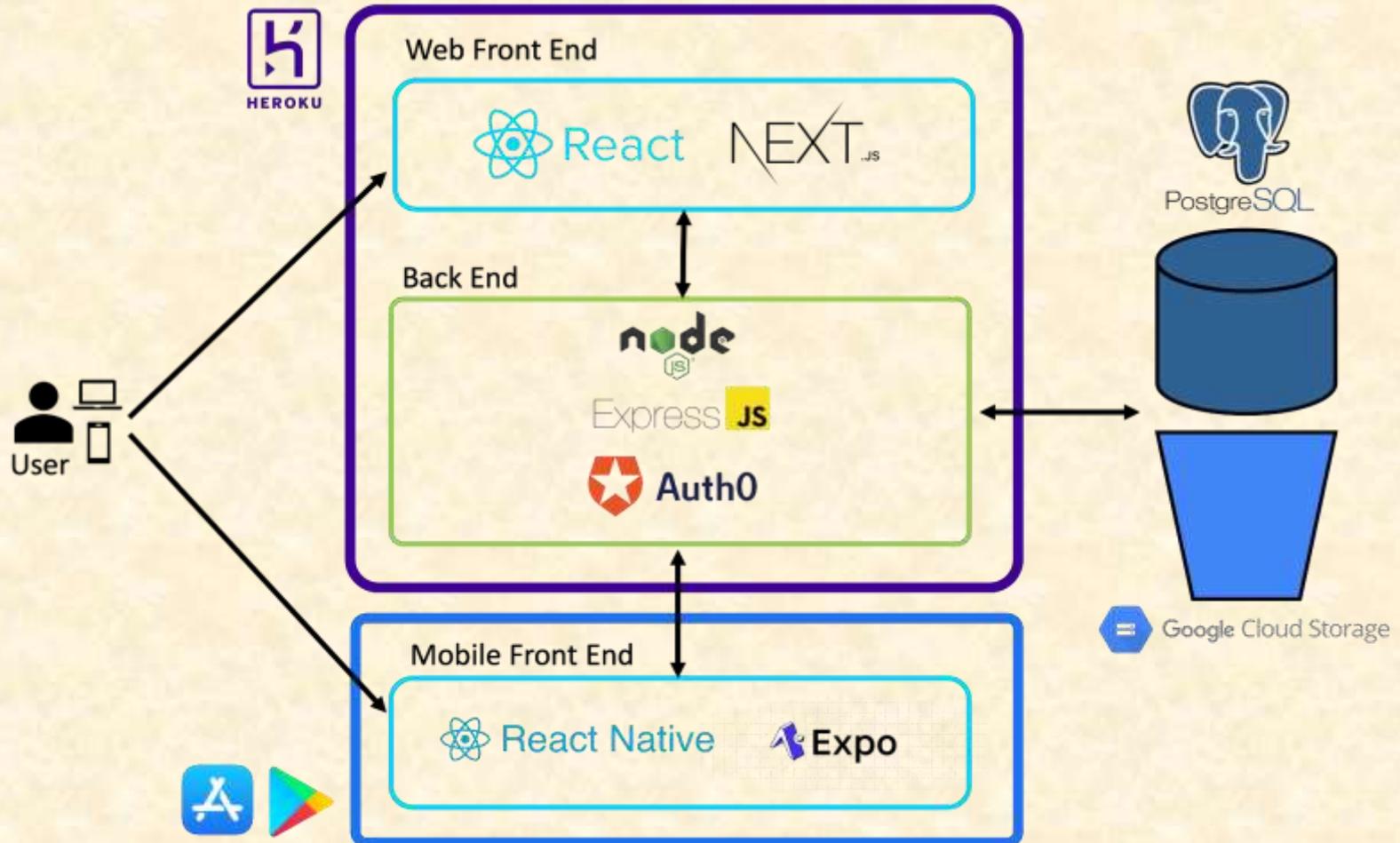
*From Students...
...to Professionals*

Project Overview

- Learning management systems administer, track and deliver course materials and student work
- Popular LMS platforms struggle with complexity and ease of use
- Stroodle is designed for a variety of institutions
- Web and mobile application for students and instructors



System Architecture



Student Dashboard

Messages

Today at 5:28 PM
Welcome to Physics for Scientists and Engineers! I'm looking forward to meeting you all at our first lecture. Please take some time to browse the course page and familiarize yourselves.

Today at 5:29 PM
This week we will begin our discussion on position. I've posted the first homework assignment which will be due on Friday. Let me know if you have any questions!

10/16/2021

Schedule

Today Back Next November 15 – 19

	15 Mon	16 Tue	17 Wed	18 Thu	19 Fri
7:00 AM					
8:00 AM	7:30 AM – 9:00 AM PHY 183		8:30 AM – 9:30 AM PHY 183		
9:00 AM					
10:00 AM		9:30 AM – 11:30 AM CSE 231			
11:00 AM					
12:00 PM					
1:00 PM					

Upcoming Events

Wednesday, November 17

- 12:00:00 AM Homework #3 Due

Thursday, November 18

- 12:00:00 AM Webwork #3 Due
- 12:00:00 PM Quiz 1: Velocity and Acceleration

Friday, November 19

- 12:00:00 AM Project 2 Due

Monday, November 22

- 10:20:00 AM Exam 1 Review
- 3:30:00 PM Recitation 3

Tuesday, November 23

- 12:00:00 AM Homework #4 Due

Friday, November 26

- 11:00:00 AM Exam 1

Course Page

The screenshot shows a web browser window with the URL `stoodle.com/student/course/4`. The page title is "PHY 183- Physics for Scientists and Engineers I". On the left, a red sidebar contains a user profile for "Zach Arlington" and navigation links: "Home", "Courses", "Calendar", and "Log out". The main content area features six buttons: "Class Files", "Grades", "Quizzes", "Calendar", "Projects", and "Assignments". Below these is a "Messages" section with two blue message boxes. The first message, dated "Today at 5:38 PM", welcomes students to the course. The second message, dated "Today at 5:29 PM", informs students about the first homework assignment. On the right, an "Upcoming Events" sidebar lists three events: "Homework #3 Due" on Wednesday, November 17 at 12:00:00 AM; "Quiz 1: Velocity and Acceleration" on Thursday, November 18 at 12:00:00 PM; and "Homework #4 Due" on Sunday, November 23 at 12:00:00 AM.



Course Files

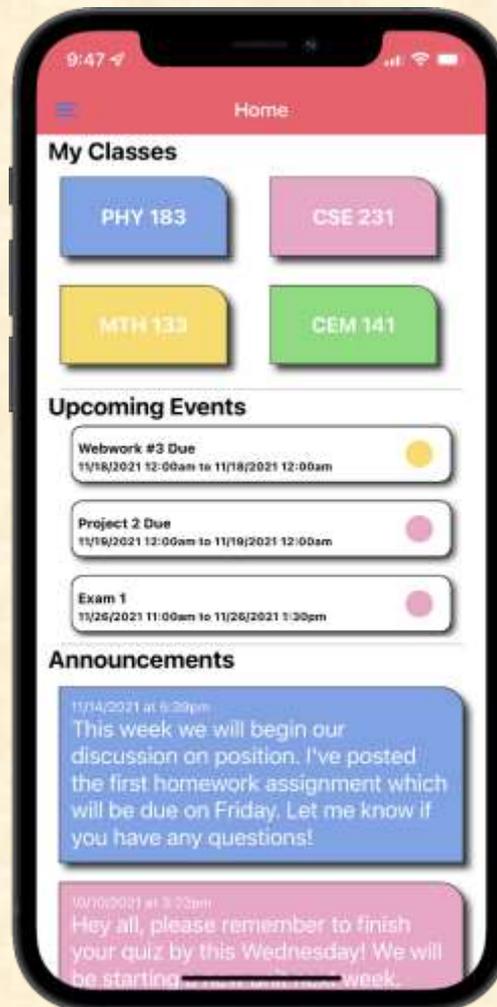
The screenshot shows a web browser window with the URL `stoodle.com/student/course/4/course_files`. The page title is "PHY 183- Physics for Scientists and Engineers I". On the left, a red sidebar contains a user profile for "Zach Arlington" and navigation links: "Home", "Courses", "Calendar", and "Log out". The main content area is divided into three weekly sections:

- Week 1** (expanded):
 - PHY 183 Syllabus
 - Introduction to Physics Slides
 - Fundamentals of Position
- Week 2** (collapsed)
- Week 3** (expanded):
 - Force Example Illustration
 - What is Force?
 - Force Examples
 - More Example Problems

On the right, an "Upcoming Events" sidebar lists:

- Wednesday, November 17: 12:00:00 AM Homework #3 Due
- Thursday, November 18: 12:00:00 PM Quiz 1: Velocity and Acceleration
- Friday, November 23: 12:00:00 AM Homework #4 Due

Mobile Dashboard



What's left to do?

- Stretch Goals
 - Improve mobile events widget
 - Categorizing quiz deadlines
- Other Tasks
 - Color coding courses
 - Styling quizzes
 - Consistent login page styling
 - Mobile gradebook styling



Questions?

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