

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Stroodle: Learning Management System

The Capstone Experience

Team Atomic Object

Jake Bosio

Gabrie Italia

Shachi Joshi

Sean O'Hare

Department of Computer Science and Engineering

Michigan State University

Fall 2021



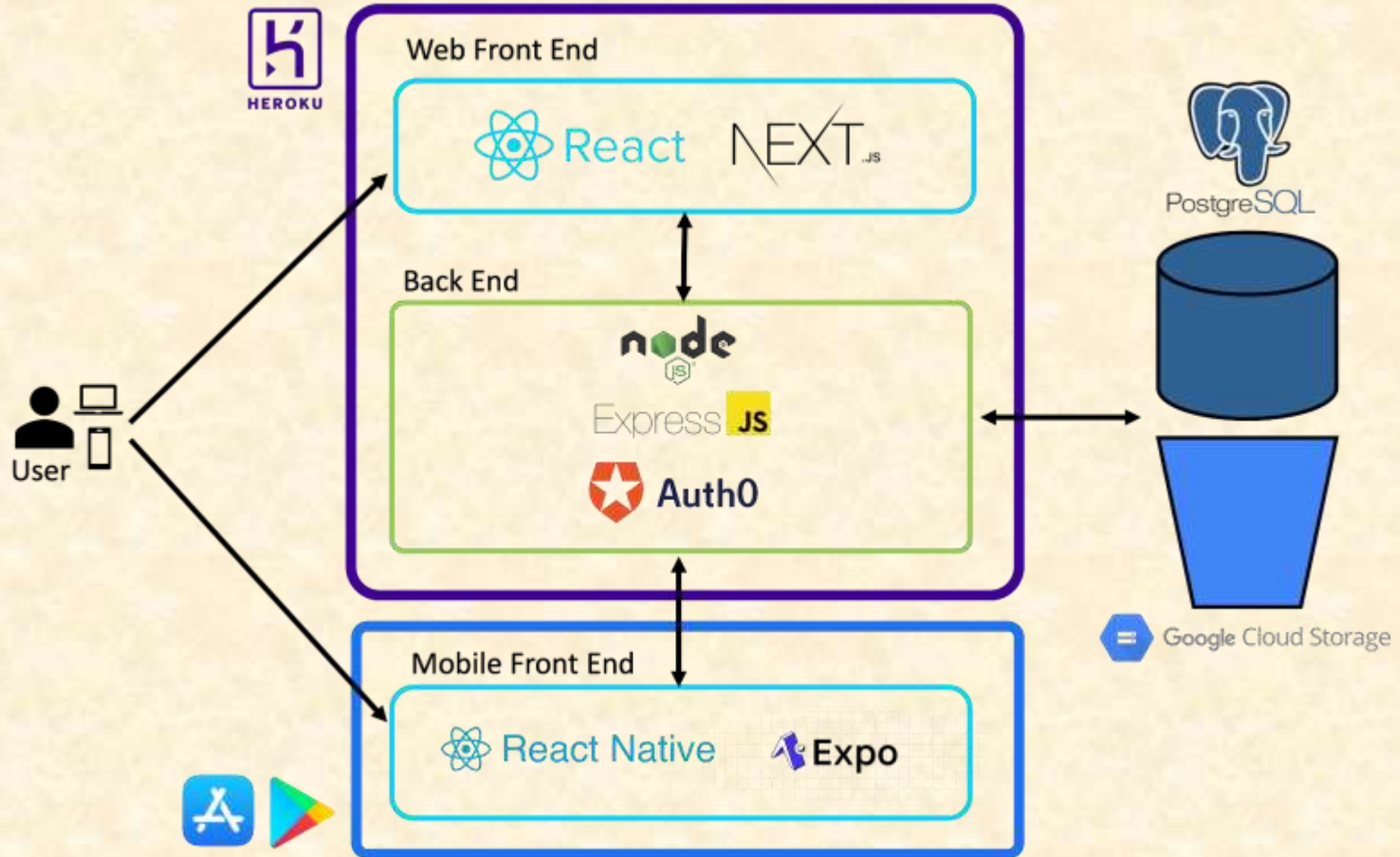
*From Students...
...to Professionals*

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 offers key features seen in other LMS platforms while simplifying the user experience
- Web and mobile application for students and instructors



System Architecture



Course List

Stoodle Courses

stoodle.com/student/courses

Zach Arlington

- Home
- Courses
- Calendar
- Settings
- Log out

CSE 231- Introduction to Programming

Dr. Steven Vance

The grades for project 3 have been released. Please take some time to review the feedback.

Current Grade: N/A

PHY 183- Physics for Scientists and Engineers I

Dr. Robert Howard

Hey all, please remember to finish your quiz by this Wednesday! We will be starting a new unit next week.

Current Grade: N/A

MTH 133- Calculus II

Dr. Susan Springer

Notifications

No New Notifications

October 2021						
MON	TUE	WED	THU	FRI	SAT	SUN
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Upcoming Events



Course Page

The screenshot shows a web browser window with the URL `stoodle.com/student/course`. The page header is blue and contains a profile icon for Zach Arlington, the course title "Introductory Physics", and the instructor "Dr. Robert Howard". A red sidebar on the left lists navigation options: Home, Courses, Calendar, Settings, and Log out. The main content area features six blue buttons: Class Files, Discussion, Grades, Projects, Quizzes, and Extra Resources. Below these is a "Messages" section with two blue message boxes. The right sidebar contains a "Notifications" section with "No New Notifications", a calendar for September 2021, and an "Upcoming Events" section showing "Homework 2 Due" at 10:00pm.

Stoodle: Intro Physics

stoodle.com/student/course

Introductory Physics
Dr. Robert Howard

Zach Arlington

Home
Courses
Calendar
Settings
Log out

Class Files

Discussion

Grades

Projects

Quizzes

Extra Resources

Messages

9/23/2021
Hey all, please remember to finish your quiz by this Wednesday! We will be starting a new unit next week.

9/20/2021
Homework 2 has been released. I will be holding office hours today from 1:00pm-

Notifications
No New Notifications

September 2021

MON	TUE	WED	THU	FRI	SAT	SUN
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Upcoming Events

Today

10:00pm
Homework 2 Due

Course Files

Stoodle: Intro Physics

stoodle.com/student/course_files

Introductory Physics
Dr. Robert Howard

Zach Arlington

Home
Courses
Calendar
Settings
Log out

Week 1

Velocity and Acceleration Lecture Slides
Homework 1

Week 2

Week 3

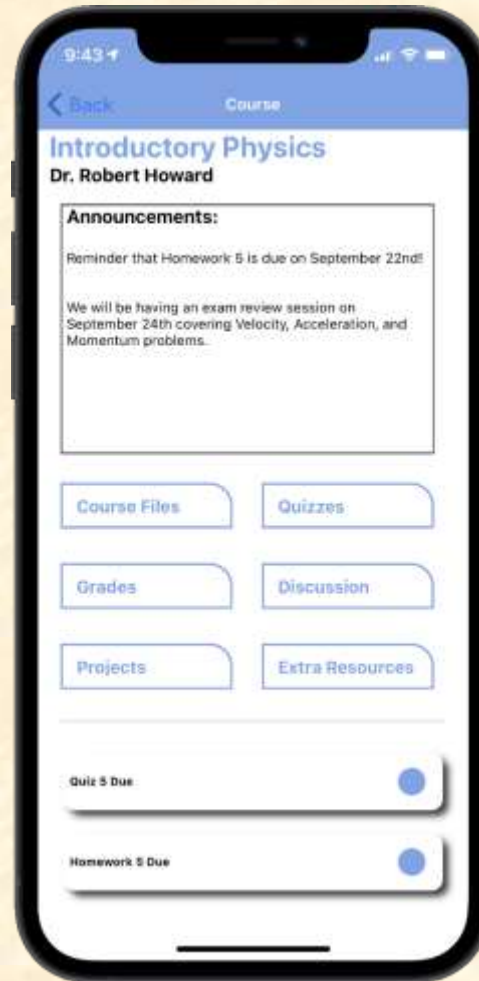
Week 4

Notifications
No New Notifications

October 2021

MON	TUE	WED	THU	FRI	SAT	SUN
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Mobile App Course Page



What's left to do?

- Event system
 - For course calendar and event widgets
- Quiz creation and administration
- Gradebook for students and professors
- Instructor course configuration



Questions?

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