



# QuizApp





# Meet the Team

Mark Fuller (Project Manager)

Thanh Dat Le

Nicholas Riley

Enelson Castro

Michael Santiago



A decorative pattern of hexagons in various shades of blue and cyan on the left side of the slide. Some hexagons contain icons: a lightbulb, a thumbs up, a smartphone, a magnifying glass, a gear, and a speech bubble. A network diagram with a central node and five peripheral nodes is also visible.

1

# Why QuizApp?

Academics with ease



“Good teaching is one-fourth preparation  
and three-fourths pure theater.”

– Gail Godwin



# The Problem with that 1/4th

- ◇ Time and effort spent making quizzes
- ◇ Proctoring quizzes
- ◇ Relying on middlemen
  - Canvas
  - Clickers
  - TAs





# ‘99% of UCF students own a smartphone’

2016 Survey at UCF





# 2

## Moving Quizzes to Mobile

Using mobile apps and web interfaces for quizzing



# Electronic Quizzes

- ◇ Make quizzes online
- ◇ Set automatic quiz start and end times
- ◇ Proctor quizzes automatically through an app
- ◇ Get quiz results from a handy database







# Hybridization

Half-web, half-mobile: use all the tools of the modern age to simplify the process





# On the Web

- ◇ Web app is only accessible to instructors
- ◇ Control panel for instructors to manage their quizzes
- ◇ Instructors use this app to:
  - Write questions
  - Build quizzes from questions
  - Modify existing quizzes and questions
  - Set start and end times
  - Get quiz results





# On Mobile Device

- ◇ Used by students
- ◇ Register as a student
- ◇ See which quizzes they are eligible for
- ◇ Start quizzes during their designated periods
- ◇ When taking a quiz:
  - Read questions
  - Choose from up to five answers
  - Move between questions
  - Submit their quizzes





# Who Benefits?

Professors and students alike!





# Monetization

- ◇ Subscription model for professors
- ◇ One semester, one class payment model
- ◇ Accounts with multiple classes get a discount on each class



A decorative pattern of hexagons in various shades of blue and cyan. Some hexagons contain white icons: a lightbulb, a thumbs up, a smartphone, a magnifying glass, a gear, and a speech bubble. A network diagram with a central node and five peripheral nodes is also visible.

# 3

## The Roadmap

The development process for QuizApp



# Technology Used

## Web

- ◇ LAMP Stack
  - Linux
  - Apache
  - MySQL
  - PHP
- ◇ Vue.js

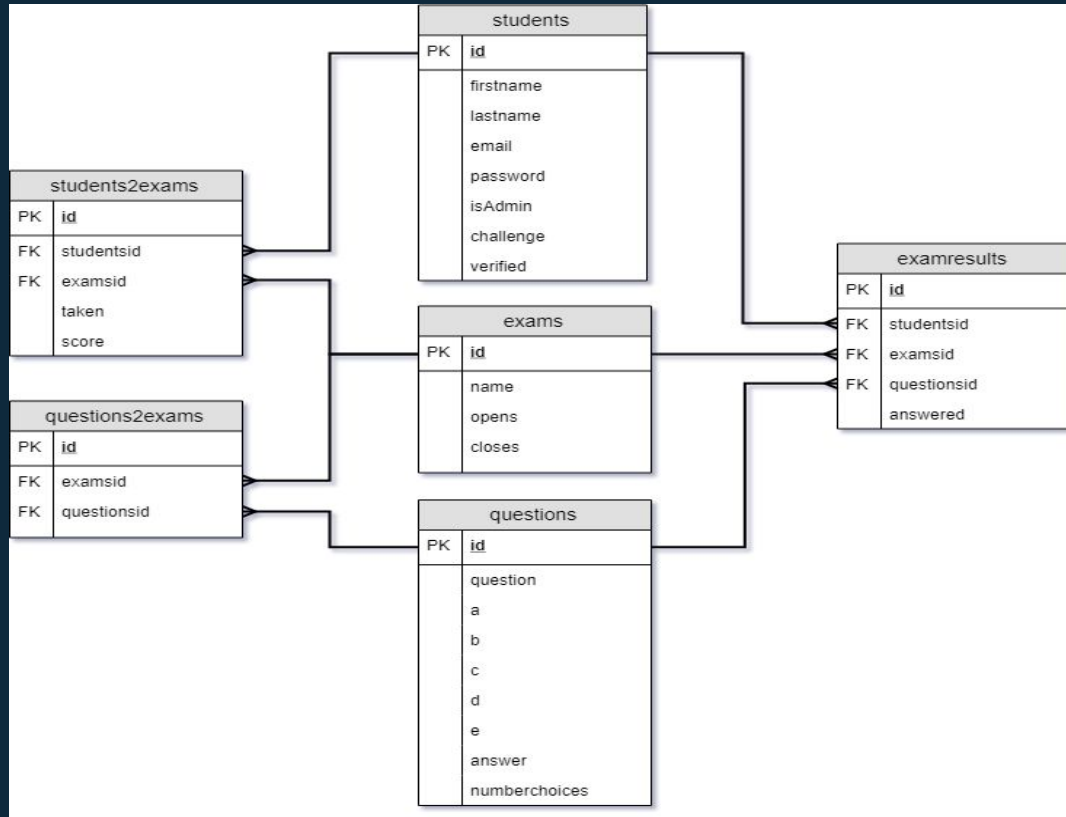
## Mobile

- ◇ Android Studio
- ◇ Java

## Server

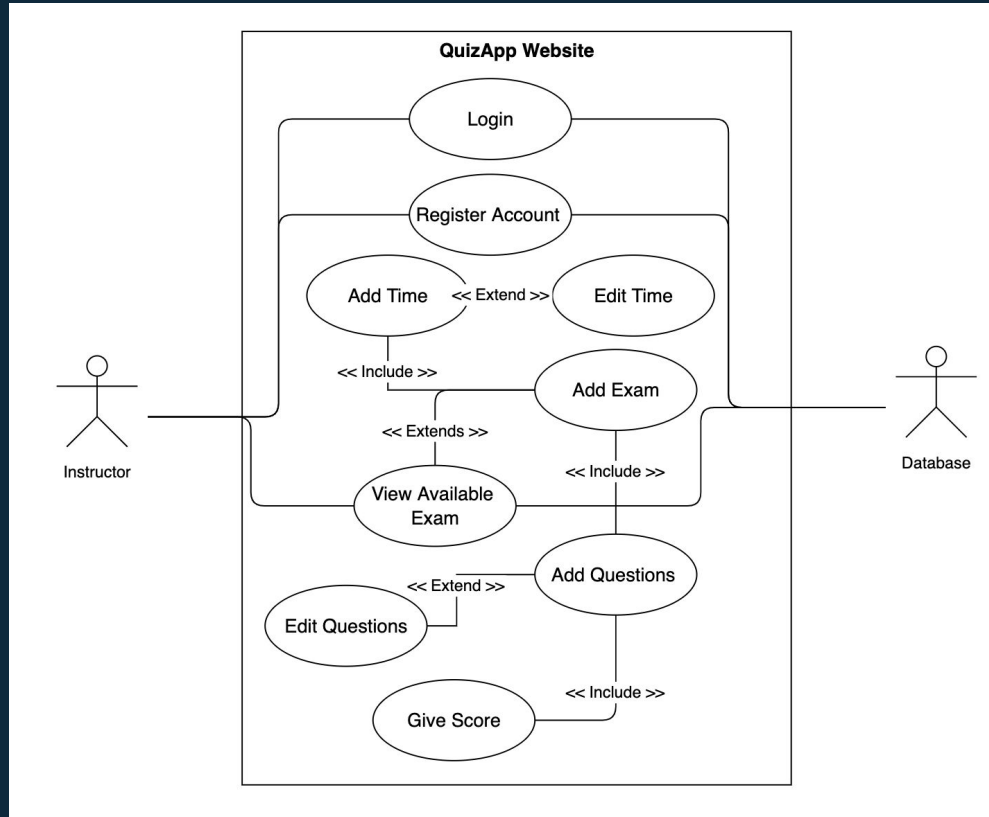
- ◇ MySQL

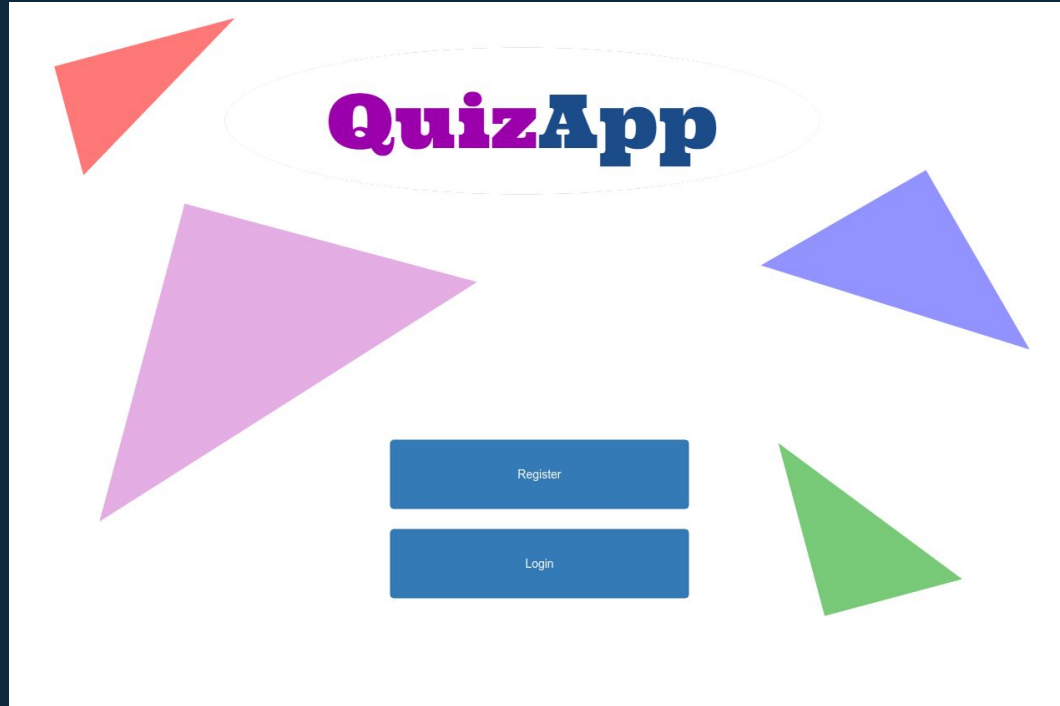
# Entity-Relationships



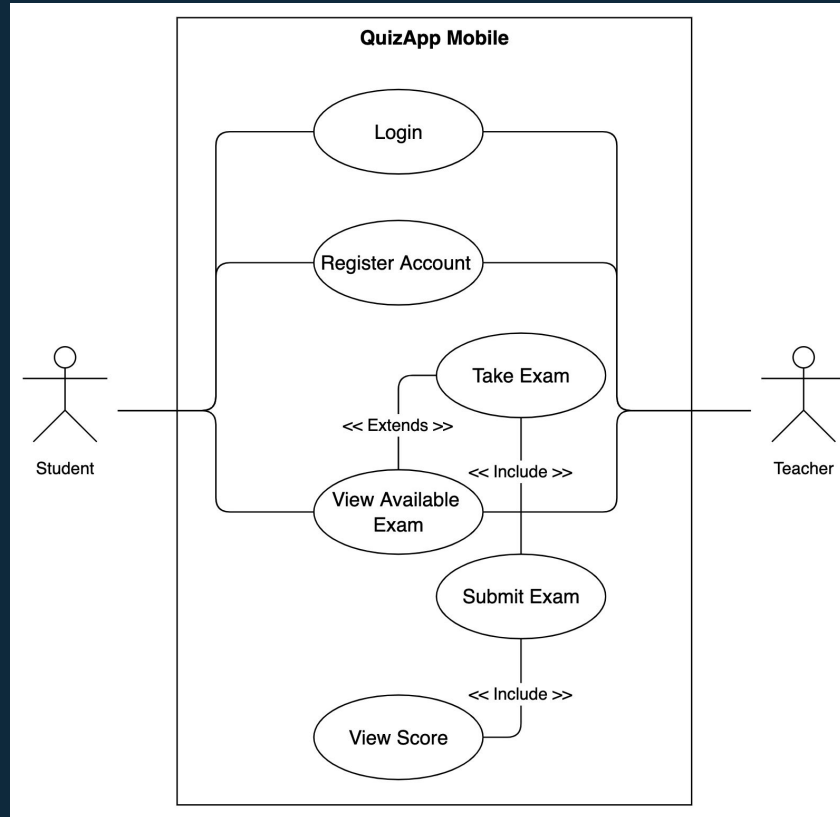


# Web Use-Cases

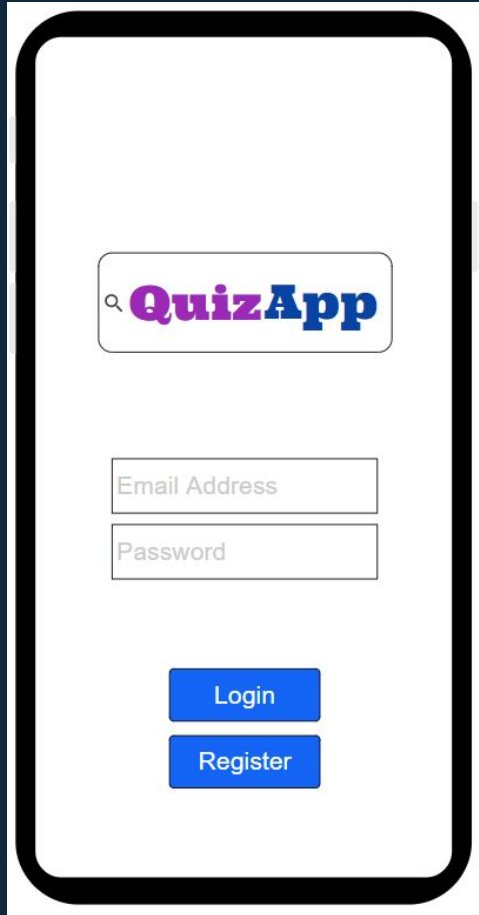




# Mobile Use-Cases



## QuizApp Mobile Login & Register



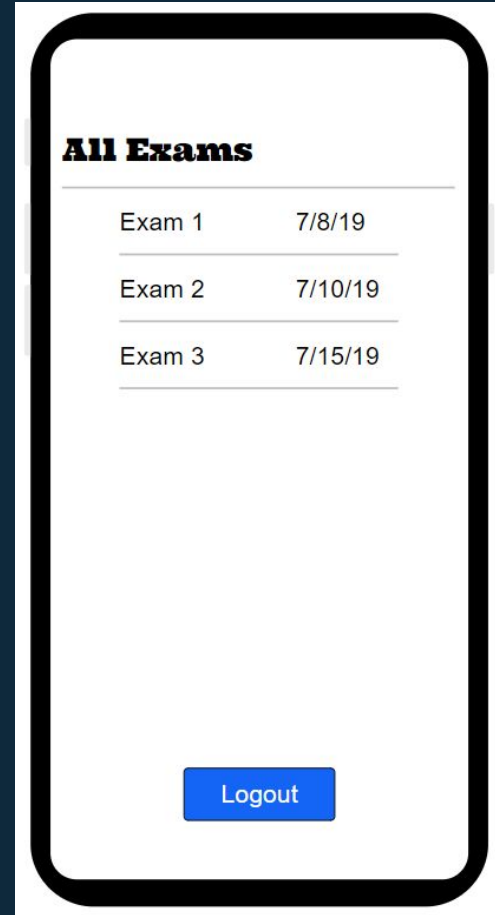
QuizApp

Email Address

Password

Login

Register



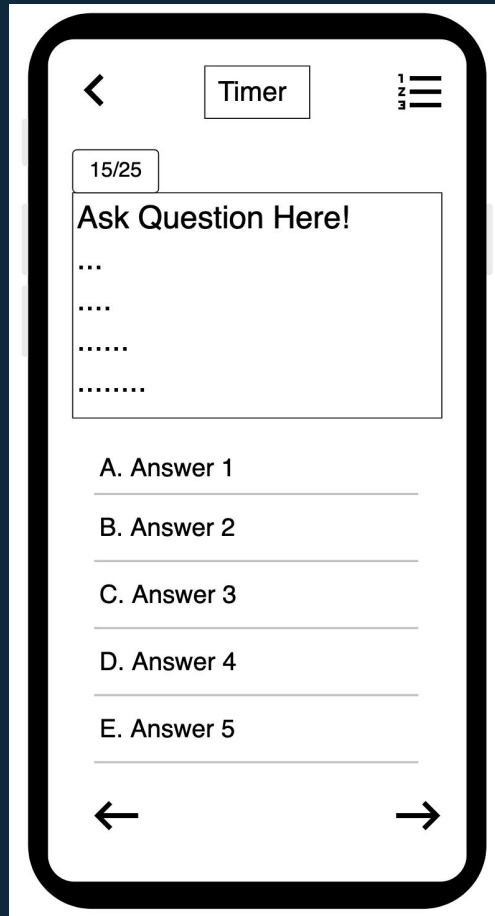
**All Exams**

Exam 1	7/8/19
Exam 2	7/10/19
Exam 3	7/15/19

Logout



## QuizApp Mobile Questions



Mobile app interface for a quiz question. The screen displays a back arrow, a 'Timer' label, and a hamburger menu icon. A progress indicator shows '15/25'. The question text is 'Ask Question Here!' followed by five lines of placeholder text (three dots, four dots, five dots, six dots, seven dots). Below the question are five answer options: A. Answer 1, B. Answer 2, C. Answer 3, D. Answer 4, and E. Answer 5, each with a horizontal line for input. At the bottom are left and right navigation arrows.

< Timer 1 2 3

15/25

Ask Question Here!

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A. Answer 1

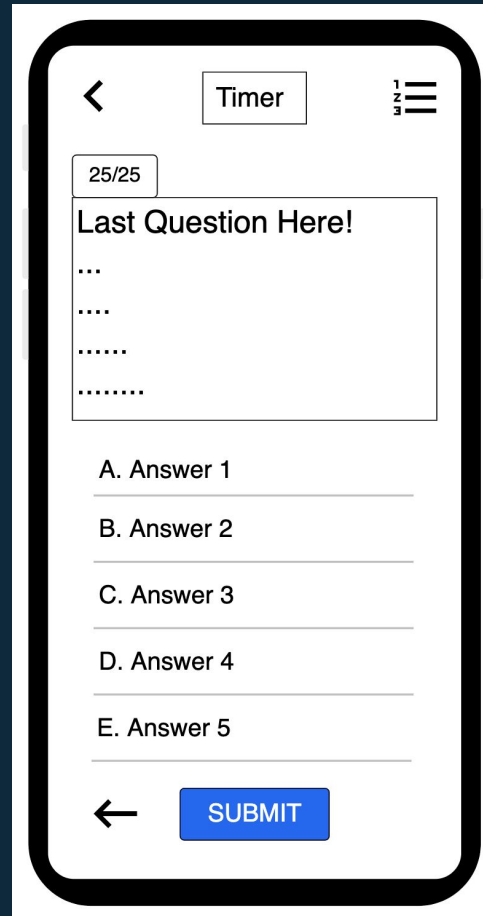
B. Answer 2

C. Answer 3

D. Answer 4

E. Answer 5

← →



Mobile app interface for the last quiz question. The screen displays a back arrow, a 'Timer' label, and a hamburger menu icon. A progress indicator shows '25/25'. The question text is 'Last Question Here!' followed by five lines of placeholder text (three dots, four dots, five dots, six dots, seven dots). Below the question are five answer options: A. Answer 1, B. Answer 2, C. Answer 3, D. Answer 4, and E. Answer 5, each with a horizontal line for input. At the bottom are a left navigation arrow and a blue 'SUBMIT' button.

< Timer 1 2 3

25/25

Last Question Here!

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A. Answer 1

B. Answer 2

C. Answer 3

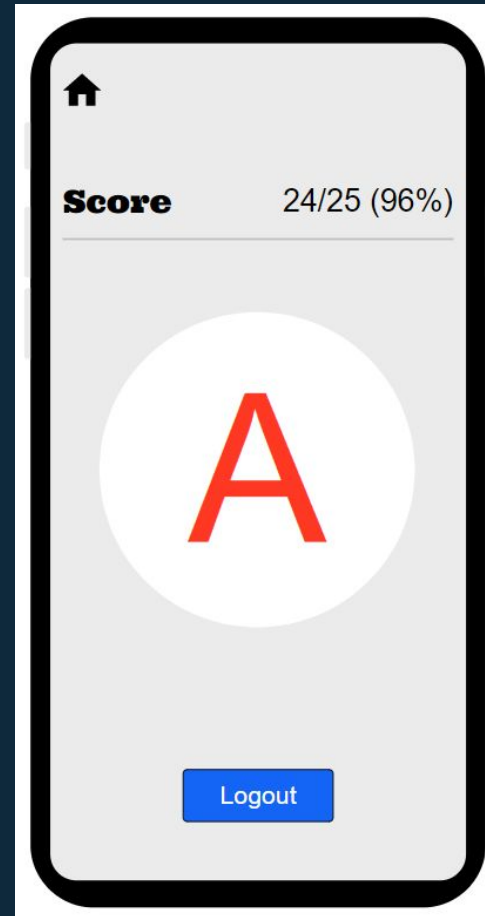
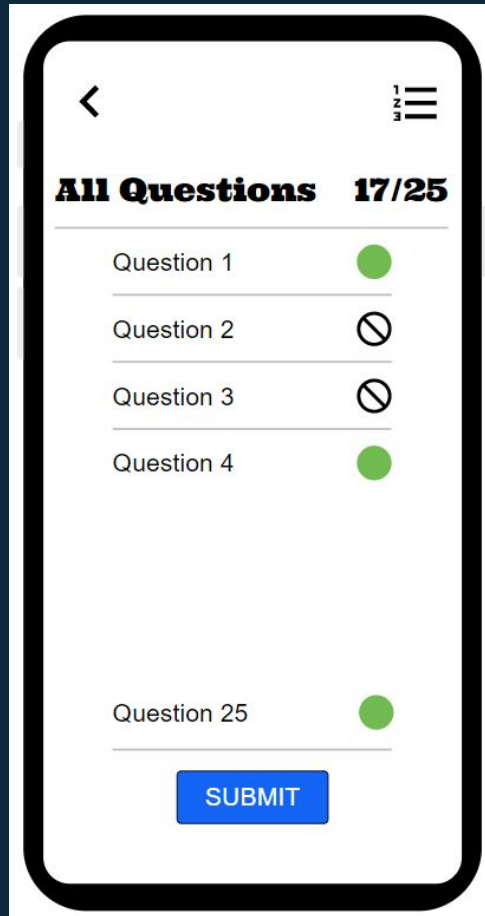
D. Answer 4

E. Answer 5

← SUBMIT



## QuizApp Mobile Submit & Score



## Fuller Software, Inc.

[illegible]

## Fuller Software, Inc.

[illegible]





Questions?

