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# WEB ENVIRONMENT FOR DISTANCE TESTING AND LEARNING FOR TEACHERS AND STUDENTS

Course project

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Course ICD0021

## Introduction

Due to coronavirus schools are under pressure to do distance learning, this poses a problem for teachers as to how to make online classes as productive as distance lessons. Many teachers give students a lecture on materials and then give them individual tasks to solve.

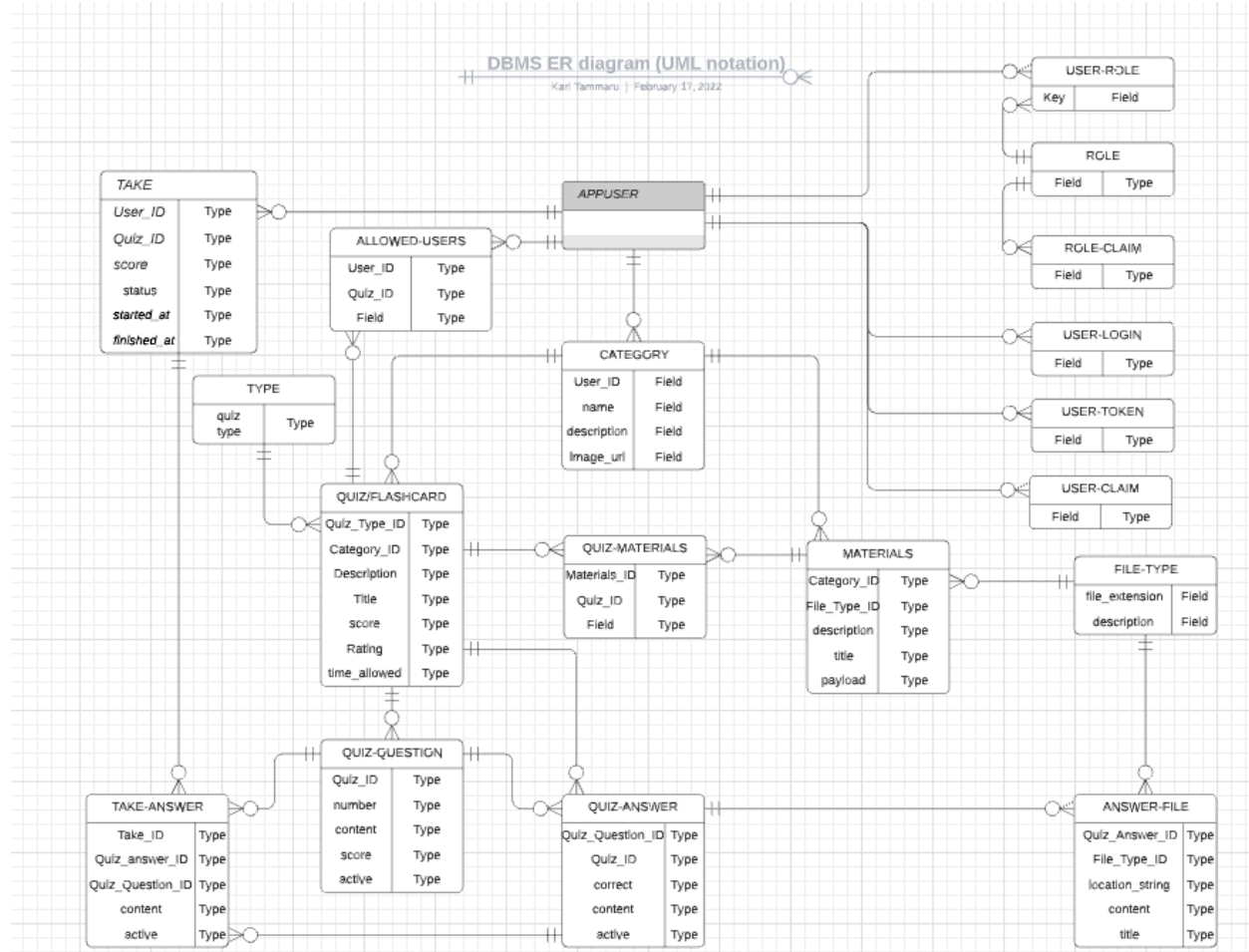
To make distance studying more productive for students and potentially easier for teachers I am planning to build a web application where teachers can share materials to students and then students can create their own quizzes or flashcards for studying and share them amongst each other.

The aim of this project is to give students the ability to create tests or revision flash cards and share them with their peers. Additionally the teacher can access their students materials(if given permission) and create their own test based on the students questions.

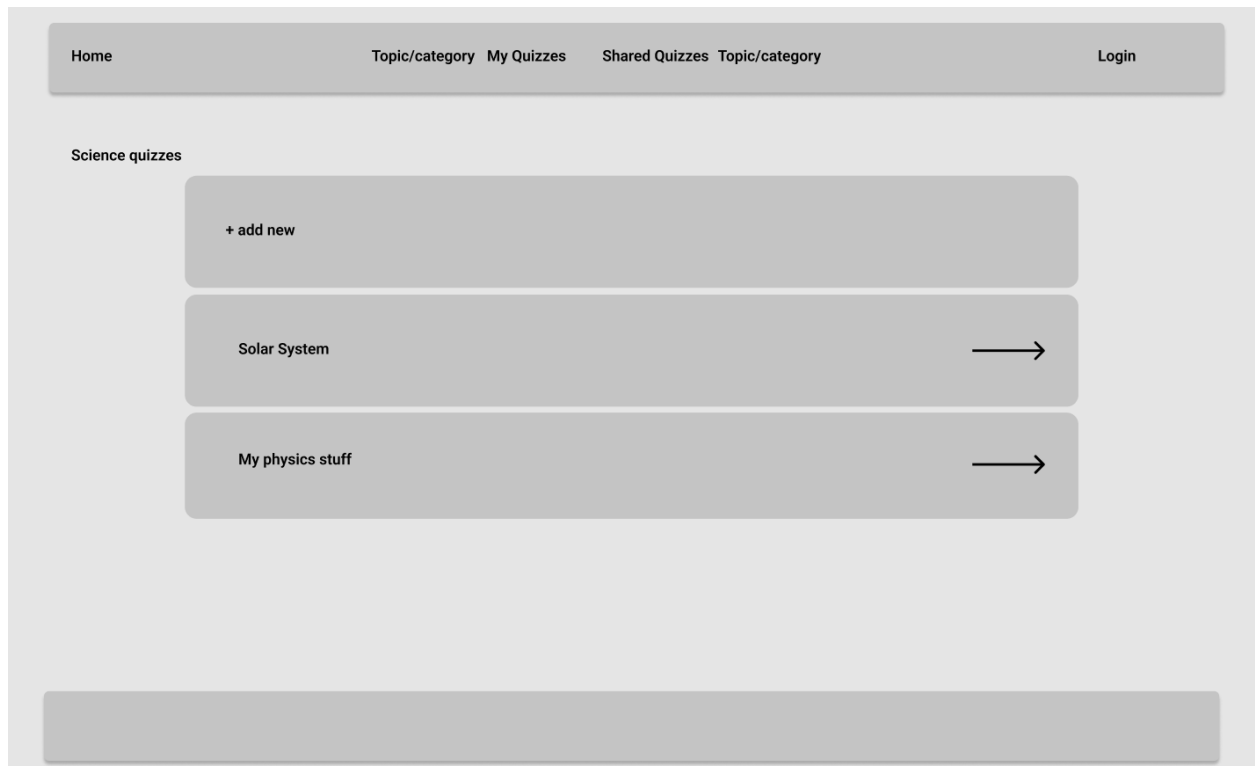
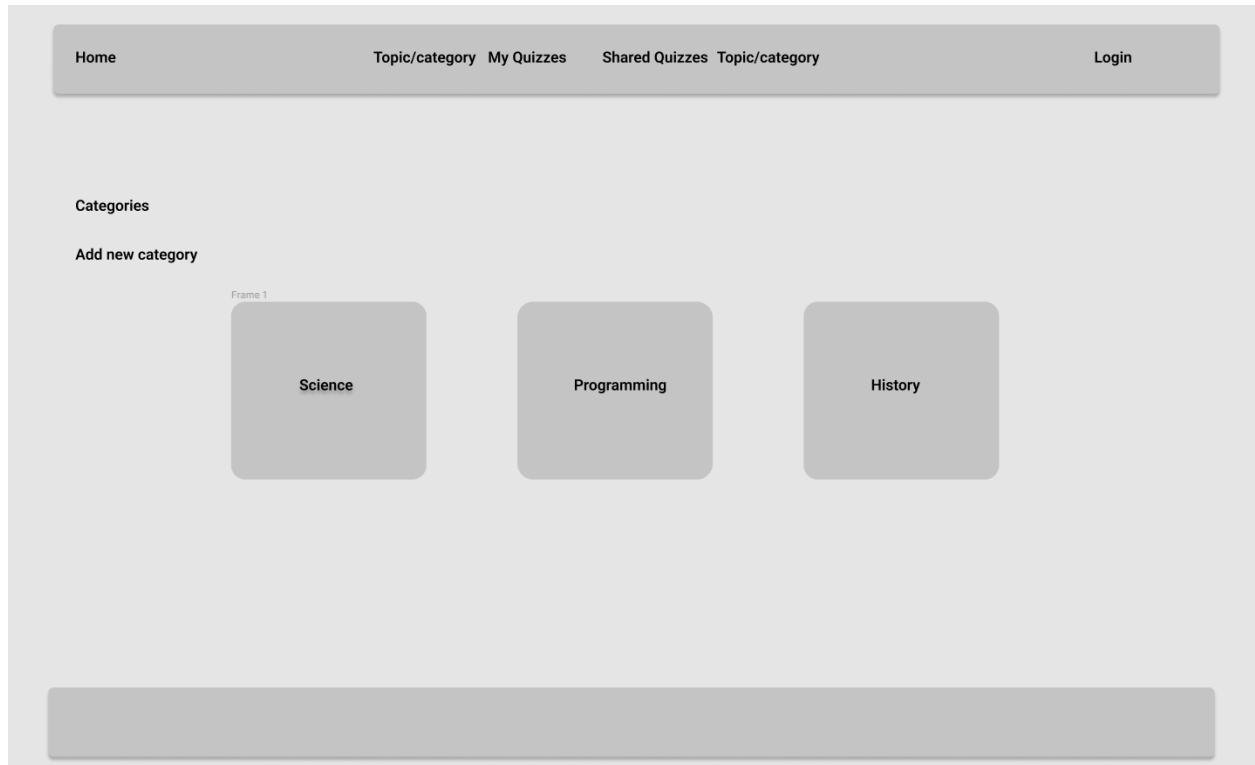
MVP scope:

- Create test/flashcards
- Use test/flashcards
- Rate test/flashcards
- Upload materials

# Database Schema



# Proposed Screens




Home
Topic/category
My Quizzes
Shared Quizzes
Topic/category
Login

Solar system flashcard

Question 1

What is the universe made of?



Previous

Next

Flip for answer

Home
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Solar system flashcard

Question 1

Astronomers face an embarrassing conundrum: they don't know what 95% of the universe is made of. Atoms, which form everything we see around us, only account for a measly 5%. Over the past 80 years it has become clear that the substantial remainder is comprised of two shadowy entities – dark matter and dark energy. The former, first discovered in 1933, acts as an invisible glue, binding galaxies and galaxy clusters together. Unveiled in 1998, the latter is pushing the universe's expansion to ever greater speeds. Astronomers are closing in on the true identities of these unseen interlopers.

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Flip for question