



Web Application Team Project

Spring 2022-Team 22
Sprint1 Presentation

March 24, 2022



Agenda

- Team Introduction
- Project Overview
 - > Project Introduction
 - > Sprint1 Summary
 - > Current progress and challenges
- Sprint2 plan
- Our current Demo



Team members. Team 22!

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Project Introduction

Quizmonkey, a better way to do the online quiz.

- Easy Quiz Creation

Quizmonkey provide simple quiz creation template. You can assign questions and time to the quizlet, and assign weight to each questions.

- Secure quiz access solution

Each quiz will have an unique PIN code. The creator can share this PIN code to the people who want to join the quiz. The participants will enter this code to get into the quiz.

- Leaderboard

The Leaderboard will show the participants score for the quiz. The quiz creator can download the score distribution Excel file for the future analysis.



Sprint1 Summary

- **Basic HTML pages (front page, main page)**
- **Relational database models**
- **Log in/Register**
- Quiz Creation (from Django administration)
- Quiz Fill-up (no need to log in, grades are assigned in a simple way)
- Statistics Display (viewed from Django administration)



Progress and Challenges

Progress:

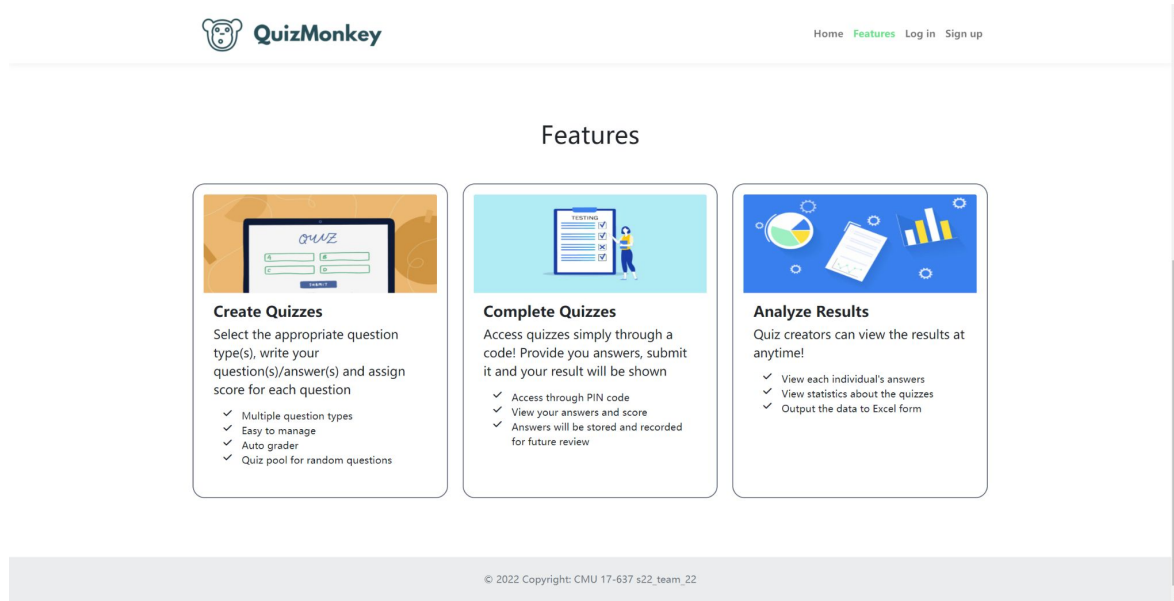
- Created beautiful front end pages
- Figured out the models used in the project

Front end pages



The welcome page

Front end pages



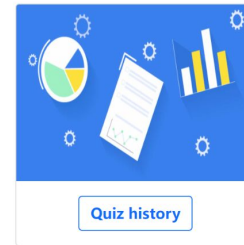
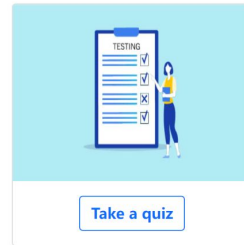
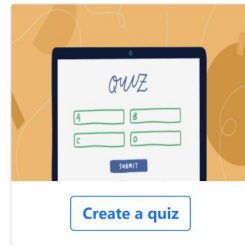
The feature page

Front end pages



[Home](#) [Profile](#)

Let's begin!



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Choose one function to begin

Database models

he four necessary objects in our application:

- Quiz
- Question
- Choice
- Users

Users	
id	int
username	varchar
first_name	varchar
last_name	varchar

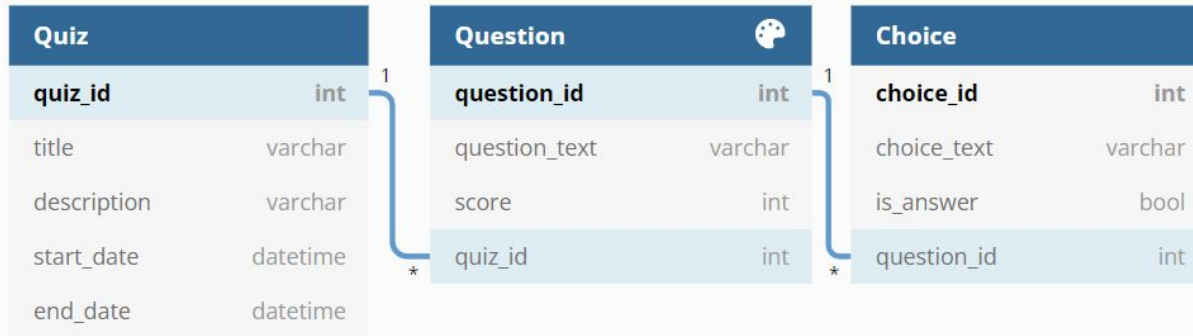
Quiz 	
quiz_id	int
title	varchar
description	varchar
start_date	datetime
end_date	datetime

Question	
question_id	int
question_text	varchar
score	int

Choice	
choice_id	int
choice_text	varchar
is_answer	bool

Database models

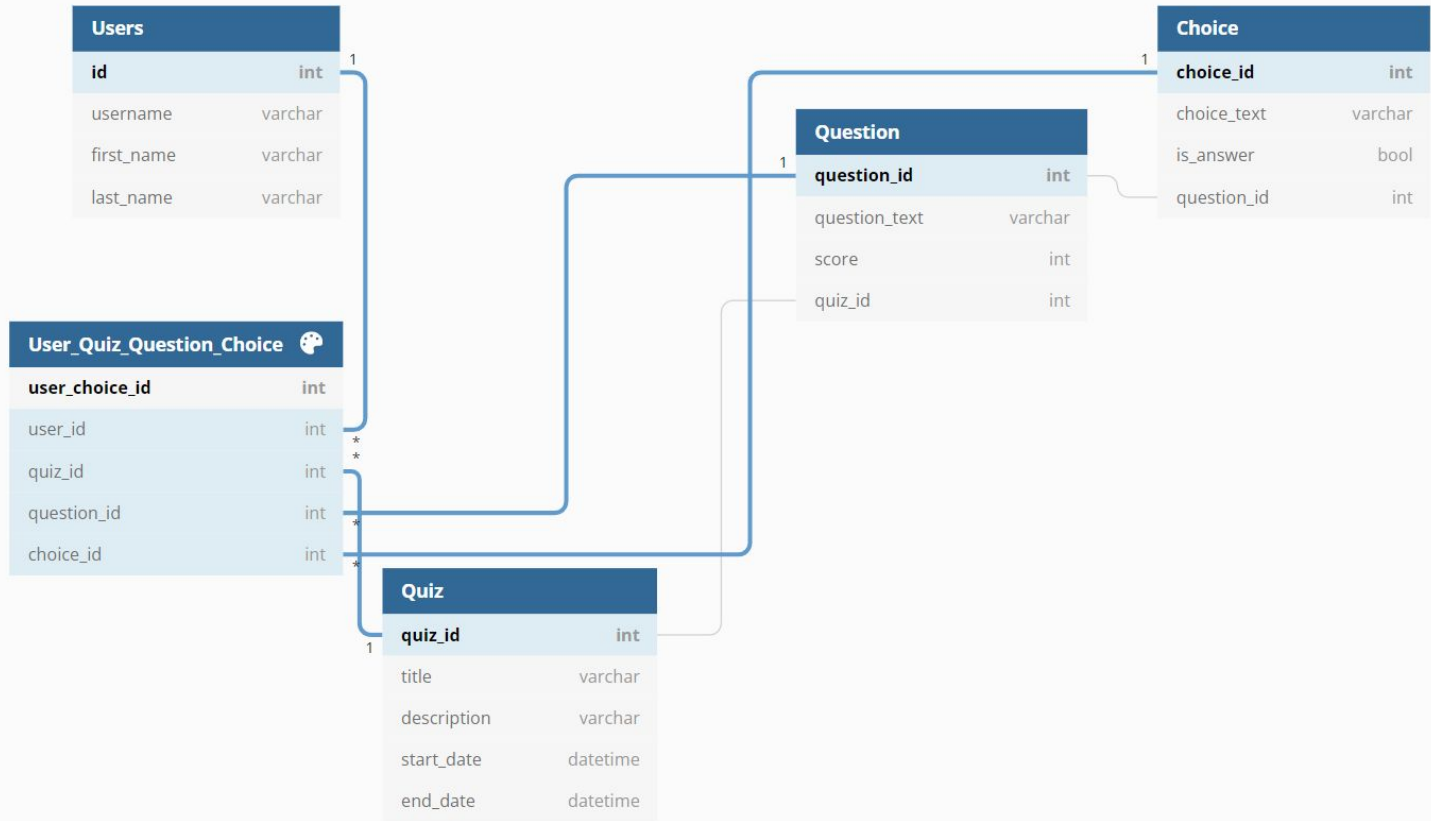
- One Quiz can contain multiple Question, one Question belongs to one Quiz.
(Quiz : Question, one - many relationship)
- One Question can contain multiple Choice, one Choice belongs to one Question.
(Question : Choice, one - many relationship)





Database models

- Consider User
- User and Quiz are of many to many relationships
- User and Question are of many to many relationships
- User and Choice are of many to many relationships





Progress and Challenges

Challenges:

- Encounter difficulties when applying the models to Django
- The scope of the project

Progress and Challenges

Apply the models to Django

```
class Person_Answer(models.Model):  
    quiz = models.ForeignKey(Quiz, on_delete=models.PROTECT, related_name="person_answer")  
    question = models.ForeignKey(Question, on_delete=models.PROTECT, related_name="person_answer")  
    choice = models.ForeignKey(Choice, on_delete=models.PROTECT, related_name="person_answer")  
    user = models.ForeignKey(User, on_delete=models.PROTECT, related_name="person_answer")
```




Progress and Challenges

The scope of the project

- Multiple choice?
- Quiz pool?



Sprint2 Plan

Revise current project

- Require registration and log in for quiz participants
- Create independent page for quiz creation
- Create independent page for displaying quiz statistics

Introduce new functionality

- PIN code and timer for each quiz



Thank you!
