



Quiz Manager Submission:

Database Design

Prepared by: Linna Trieu, Associate Software Engineer at Paddle

Qualification: Level 4 Software Development Apprenticeship with Makers Academy

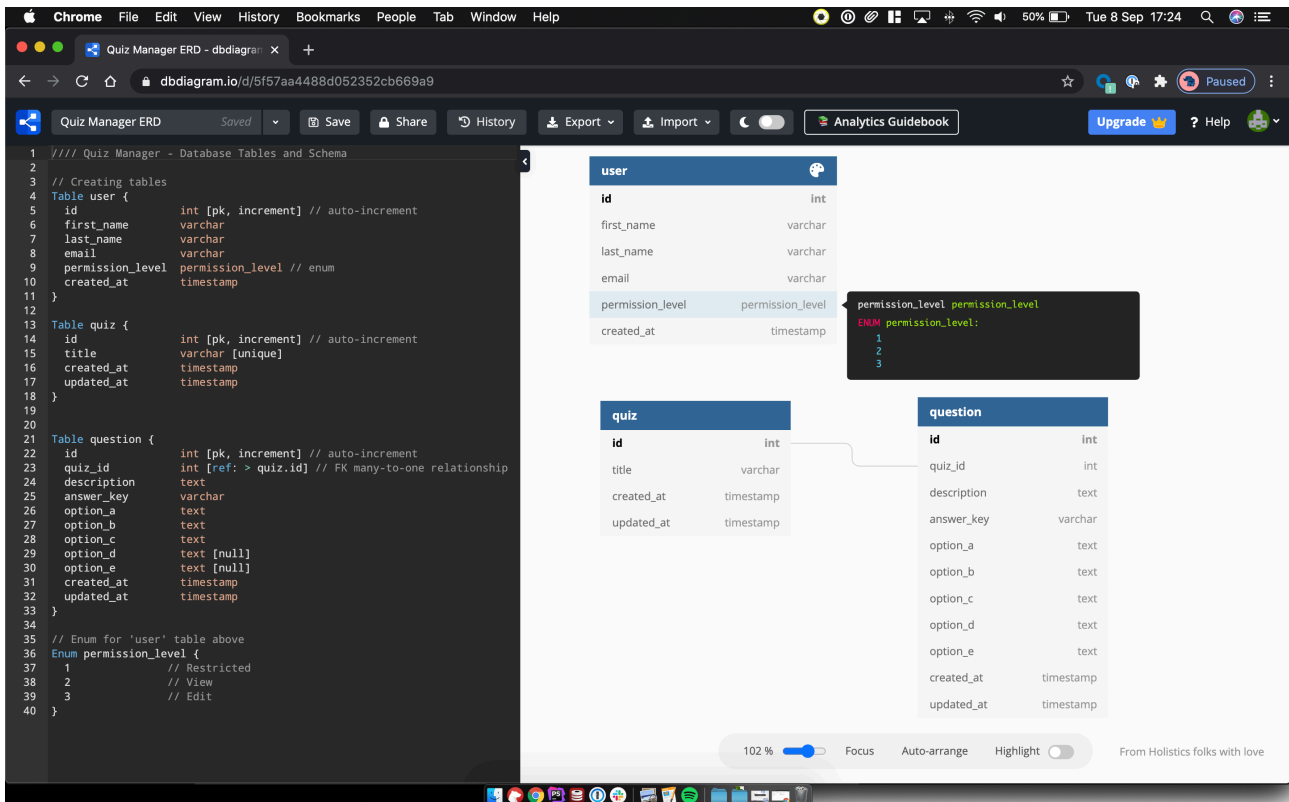
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DATABASE DESIGN

Overview

- I used an online database diagram tool to design an Entity Relationship Diagram (ERD) for Quiz Manager.
- The ERD provides a snapshot of the Quiz Manager data structures, it displays data model entities (the tables) in the database and relationships between tables within the database.
- For the Quiz Manager, there will be three data models:
 - User
 - Representing a known user to the website
 - Quiz
 - One-to-many relationship with a question as each question must belong to a quiz (ie. a question cannot exist by itself). Foreign key in a quiz_id.
 - Question
 - Includes associated answers to the question. I debated on creating a separate table for the answers alone, but that seems unnecessary and I see no business requirement for that structure. Keeping the question and answers in the same tables was the simplest option.



QUIZ MANAGER ERD

- The ERD diagram is included as a separate PDF at file ref: '1.4.entity_relationship_diagram'

