**CS50 Final Project**

**Planning**

**Goal:**

I want to build a web app with user authentication and database system where a user can create quizzes, answer quizzes, look at the leaderboard of each quiz, post something in their feed, and change their username and password.

**CLASSES/SQL TABLES**

User class

* \_\_tablename\_\_ = ‘users’
* \_id
* username
* password
* quizzes = db.relationship(‘Quiz’)
* posts = db.relationship(‘Post’)

Quiz class

* \_\_tablename\_\_ quizzes
* \_id
* title
* instructions
* total\_items
* user\_id = db.Column(db.Integer, db.ForeignKey(‘users.id’))
* questions = db.relationship(‘Item’)

Item class

* \_\_tablename\_\_ items
* \_id
* question
* answer
* quiz\_id = db.Column(db.Integer, db.ForeignKey(‘quizzes.id’))

Post class

* \_\_tablename\_\_ posts
* \_id
* title
* description
* date
* user\_id = db.Column(db.Integer, db.ForeignKey(‘users.id’))