

DATA 533 Group 3

Quizzing App

1. questionbase/

Modules:

1. questions.py - defining the questions for the quizzes, Question, MCQuestion, TFQuestion, SAQuestion, and functions: display, checkAnswer, setType, toDict, etc. in each class
2. manage_question.py - managing the questions created. Has functions: add/removeQuestion, getAll, getRandom, toJson, deleteAll, etc.

2. userprofile/

Modules:

1. user.py - defining the quiz-taker, User, RegularUser, PremiumUser, and functions to setUserInfo, addGrade, etc.
2. manage_user.py - managing the users created. Has functions: create/deleteUser, getUser, deleteAll, toJson, etc.

3. quizsession/

Modules:

1. session.py - specify one quiz session, has attributes of Session, with user, questions, answers, currentIndex, time. Has functions of start, recordAnswer, getNext, etc.
2. result.py - compare answers, convert them into scores. Has functions: compare, culScore, percentage, countWrong, countTime, etc. Visualizing the result from the quiz-taker. Functions: typeDistribution, scoreTrend, etc.