

Please use your most proficient programming language to create object oriented design and use test driven development to implement classes and methods with appropriate data structure and test the code for the following scenario. Please add comments describing any assumptions you make:

There are Teachers

There are Students

Students are in classes that teachers teach

Teachers can create multiple quizzes with many questions (each question is multiple choice)

Teachers can assign quizzes to students

Students solve/answer questions to complete the quiz, but they don't have to complete it at once. (Partial submissions can be made).

Quizzes need to get graded

For each teacher, they can calculate each student's total grade accumulated over a semester for their classes