I have been assigned the task of creating an interactive quiz in python, allowing users to choose whichever topic they fancy and the amount of questions they want to answer. My goal with this assignment is to create a dynamic quiz, which is bug free and provides instant feedback and allows the users to get help if needed during the quiz.

The functional requirements I will need to implement include:

* Allowing users to choose a quiz topic from a list.
* Letting users specify how many questions they want to answer.
* Randomly selecting questions from a dictionary based on the chosen topic.
* Capturing user responses through command line inputs.
* Providing immediate feedback on whether their answer is correct or incorrect.
* An optional hint system to assist players when they need help of an answer.
* Tracking the user’s score and calculating their average performance.
* Displaying the final score out of the total questions attempted.
* Offering the option to play again with a new topic or exit the program.