

TC ID	Feature	Input	Expected Output	Actual Output	Status
TC01	Add Question (MCQ)	Valid MCQ data (question + 4 options + correct answer)	Question saved to JSON		
TC02	Add Question (Empty Fields)	Leave question or options empty	Show error: "All fields are required"		
TC03	Add Question (Invalid Type)	Question type = "ABC"	Show error: "Invalid question type. Please select a valid type."		
TC04	Take Quiz (Correct Answers)	Enter correct answers for all questions	Score increases		
TC05	Take Quiz (Wrong Answers)	Enter wrong answers for all questions	Score unchanged		
TC06	Take Quiz (Category Exists)	Select category "Python" with questions present	Quiz starts, questions from "Python" category displayed		
TC07	Take Quiz (Category Empty)	Select category "Python" with no questions	Show message: "No questions available in this category"		
TC08	Validate MCQ Input	Enter invalid option (e.g., E)	Show error: "Invalid answer, please try again"		
TC09	Analytics	Complete a quiz	CSV file generated with quiz results		
TC10	Report	Quiz taken	Show percentage of correct answers		
TC11	Exit Program	Select exit	Program terminates gracefully		

