

APPLICATION ERROR TESTING

ID	Test Case	Test Data	Expected Result	Status	Actual Result
1.1	Quit application from main menu	"Quit"	App. exit	SUCCESS	""
1.2	Enter incorrect data at main menu	"123"	"Incorrect selection: please try again"	SUCCESS	""
1.3	Enter student portal	"student"	"Welcome to the quiz!", enter the student portal	SUCCESS	""
1.4	Enter teacher portal	"teacher"	Enter the teacher portal	SUCCESS	""
2.1	Enter valid student name	"Max"	"Welcome Max!", quiz begin	SUCCESS	""
2.2	Enter invalid student name	" 123=x"	"Name not valid - please try again"	SUCCESS	""
2.3	Enter incorrect key as answer	"D", "heats"	Question re-states itself with blank entry screen	SUCCESS	""
2.4	Enter correct key as answer	"a"	App moves on to next question in the array, stores correct score in score variable if correct.	SUCCESS	""
2.5	Any key to return to home page	"" (Hit enter)	App exits student portal loop, returns to main menu	SUCCESS	""
3.1	Launch Question_Generator from bash argument	\$ ruby index.rb -g	Question generator loads inside VS code.	SUCCESS	""
3.2	Execute question generation from bash argument	\$ ruby index.rb -e	Question generator loads within bash, passes new hash to questions.json	CRITICAL	Error - Scope error - qgen is attempting to run from the source folder and encountering errors.
3.2	""	""	""		Fix will be to force the file to connect to the JSON files using __dir__
4.1	Write student name, score & timestamp to results.json	Finish test w/ dummy name & answers	File is opened, loop through and convert to array, push new results to array, convert to JSON and store again.	SUCCESS	""
4.2	Retrieve above details and print to screen in readable form.	Run teacher portal	File is opened, loop through and convert to array, loop array and print.	SUCCESS	""
4.3	Reinitialise results.JSON if it is empty/ corrupted (no data/brackets etc)	Delete all data in results.JSON, run student or teacher portal	File will automatically generate a blank 'array' in JSON format, print a message informing user of the process.	SUCCESS	""
5.1	Retrieve set of questions from questions.JSON	Run student portal	File is opened, loop through and convert to array, loop array and randomly select items, deleting them from array as loop goes. Items are then converted into new Question class object and passed to the quiz method.	SUCCESS	""
5.2	Reinitialise questions.JSON if it is empty/ corrupted (no data/brackets etc)	Delete all data in results.JSON, run student portal	File will automatically generate a blank 'array' in JSON format, print a message informing user of the process.	SUCCESS	""