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| 1. Unit Test Plan Scope (In Scope – Out of Scope) | |
| **In Scope** | **Out of Scope** |
| -Add questions to database  -Types of string inputs | -HTML functionality |

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| 2. Unit Test Cases | | | |
| **ID** | **Test Function** | **Input Value** | **Expected Output** |
| 2.1 | addQuestion() {  this.dataService.addQuestion(this.addQuestionForm.value).subscribe(  res => {  const newQuestion = res.json();  this.questions.push(newQuestion);  this.addQuestionForm.reset();  this.toast.setMessage('item added successfully.', 'success');  },  error => console.log(error)  );  } | Question:  String1  Answer #1:  String2  Answer #2:  String3  Answer #3:  String4  Answer #4:  String5 | {  "\_id": {  "name":  "String1",  "a\_Answer": "String2",  "b\_Answer": "String3",  "c\_Answer": "String4",  "d\_Answer": "String5",  "a\_Freq": 0,  "b\_Freq": 0,  "c\_Freq": 0,  "d\_Freq": 0,  "\_\_v  } |

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| 3. Unit Test Results | | |  |  |
| **ID** | **Test Cases** | **Pass/Fail** | **Tested By** | **Date Tested** |
|  | Question:  Does this work?  Answer #1:  Yes  Answer #2:  No  Answer #3:  True  Answer #4:  False | Pass | Karlo Gonzales | 10/04/17 |
|  | Question:  “null”  Answer #1:  “null”  Answer #2:  “null”  Answer #3:  “null”  Answer #4:  “null” | Pass  Comment:  HTML form does not allow null input | Karlo Gonzales | 10/04/17 |