**List of Functional Requirements**

Education Software Test System

* **Requirement 1. (must)**
  + **Requirement:** The system must allow the customer the ability to create short assessments in the form of tests.
  + **Assessment Criteria:**
    - Demonstration of a user being able to create a short assessment using the software, without prior training.
    - Once the creation of the test is finalised, it should be pushed to the system and made available to students.
* **Requirement 2. (must)**
  + **Requirement:** Customers should be able to choose whether they want the assessment to be formative or summative.
  + **Assessment Criteria:**
    - When creating a test, before publishing, but after assigning all questions, the acting teacher should be able to select whether the test is formative or summative with a simple selection tool.
    - That test should appear and behave as the assigned type to all students 100% of the time.
* **Requirement 3. (must)**
  + **Requirement:** The software should record the number of times a student answered a question incorrectly and allow the user acting as a teacher to view this data.
  + **Assessment Criteria:**
    - A teacher can view a completed test, and for each question will see the number of times that question was answered incorrectly.
* **Requirement 4. (must)**
  + **Requirement:** The user acting as a student should get feedback after each attempt at a test, but only provided with answers following the final attempt.
  + **Assessment Criteria:**
    - When taking a summative test, after each completion of a test, the student should be given information detailing how many answers were correct, and how many incorrect.
    - After completing the final attempt of a test, the student must be able to view the completed test, and shown which answers were correct, and which incorrect, with the correct answers being given.
* **Requirement 5. (must)**
  + **Requirement:** The system should allow the acting teachers to obtain statistics about the tests such as class score, questions most answered incorrectly.
  + **Assessment Criteria:**
    - 100% of users acting as teachers should be able to use the system to access a statistics page based of a single test.
    - That page will contain and display statistics gathered from students who completed that test.