Project requirement

Terminology in Requirement

Terminology	Definition	Project Example
Role	Different roles mean different users with different rights	admin, test developer, marker
Dichotomous Score	Only two possible outcomes or answers to the question	0 for wrong, 1 for right
Partially Score	Evaluate an answer to some question as partially correct	0 for wrong, 1 for partly right, 2 for fully right
Flag	A mark indicating a manual score needed	
key	Keyword of a question that should be included in the answer	"Yes", "How is it", "I've done it!"

Users:

- **Admin:** Full access, including the ability to add or remove any user type.
- **Test Developer:** Creates tests within the system and utilises the automatic scoring tool.
- **Marker:** Reviews and scores answers that have been flagged for manual marking.

Functions:

- **Automatic Scoring:** For text-based answers, aiming for a solution more advanced than a simple Excel setup.
- **Admin Functions:** Ability to add/remove users.
- **User Profile:** Users can update their passwords.
- **Test Archive/Library:** A repository for all tests, where test keys (correct answers) are stored against test taker's answers for future use. Test keys should be editable, with the ability to copy tests for different analyses and add/delete items within existing tests.

Setting Up Test Keys:

- **Test Configuration:** Specify the number of items to be marked and the points awarded for each item. The default is a uniform scoring system across the test, with the option for varied scoring per item.
- **Scoring Types:**
  - **Dichotomous Scoring:** 0 for incorrect, 1 for correct.
  - **Partial Scoring:** 0 for incorrect, 2 for fully correct, 1 for partially correct (which requires manual marking).
- **Answer Handling:** Options to handle specific types of answers, such as blanks or specific symbols, with predefined outcomes.
- **Key Listing:** Define possible correct answers for each item, with options to ignore case sensitivity and flag answers similar to the keys for manual marking.
- **Additional Options:** Handle spelling mistakes, minor grammatical errors, and answers similar to keys but still valid words, with options to mark as incorrect, accept as correct, or flag for manual marking.

Uploading Test Answers:

- Excel file compatibility with a column for test-taker IDs and individual answers.
- Bulk upload capability.
- Automatic trimming of extra spaces in answers.
  Note: The collection method for student answers is outside the scope of this project. Our responsibility is solely to score the answers once received.

Marker View:

- **Manual Marking:** Markers are assigned specific tests to mark by the admin/test developer. They review flagged answers and determine the final score, with visibility into the keys for each item.

Data Export:

- **Downloading Marked Answers:** There should be a functionality to download or at least copy the marked answers.