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| **Author** | **Reviewer** | **Approver** |
| BaoHT5 |  |  |

**Exercise: Generating Test Cases with TestVista**

## **1. Objective**

* Learn how to use TestVista (internal AI tool) for automated test case generation from requirement documents.
* Understand the workflow from uploading specification files to exporting test cases.
* Practice selecting test levels and managing generated viewpoints and test cases.

## **2. Problem Statement**

Effective software testing starts with well-defined test cases derived from requirements and documentation. Manual test case creation is time-consuming and error-prone.

This exercise guides you through the process of using TestVista to automate test case generation—helping you rapidly transform requirement documents into actionable test cases for different testing levels (component, integration, system, or acceptance).

## **3. Inputs / Shared Artifacts**

* No starter code, files, or templates provided.
  + You will invent or select your own document file to upload (**DOCX, PDF, JPEG, PNG, or Markdown; max 10MB**).
  + The document can be a sample feature description, requirements specification, or any suitable artifact you create.
* Access to <https://testvista.ai/>

## **4. Expected Outcome**

* Successfully uploaded a sample document to TestVista and completed preprocessing.
* Generate viewpoints and select a test level (component, integration, system, or acceptance).
* Manage the generated viewpoints and test cases.
* Export the final test cases file for submission.
* Document your workflow, noting challenges and how TestVista supported your process.

## **5. Concepts Covered**

* **AI-Assisted Testing:** Using AI to extract viewpoints and generate test cases automatically from documentation.
* **Test Case Management:** Selecting appropriate test levels and managing exported test cases.
* **Integration of AI in Quality Assurance:** Leveraging internal AI tools to improve test coverage and reduce manual effort.

## **6. Example: Step-by-Step Instructions**

*(Topic Example: Feature Requirement—User Profile Update.*  
 *For practice only. Use your own requirement for your submission.)*

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| **Step** | **Description** |
| **Step 1** | **Access TestVista:** Open [https://testvista.ai](https://testvista.ai/)/ in your browser and log in. |
| **Step 2** | **Add a New Test Suite:** Click "New Test Suite" and name it (e.g., "User Profile Update Feature"). |
| **Step 3** | **Upload Your Document:** Prepare a requirements document (e.g., a one-page DOCX describing "User can update their email and profile picture"). Upload the file and wait for preprocessing. |
| **Step 4** | **Generate Viewpoint:** Click "Generate Viewpoint". Review the AI-generated viewpoints—these are perspectives or contexts derived from your document to help in test case creation. |
| **Step 5** | **Select Test Level:** Choose your test level:  - Component Testing- Integration Testing  - System Testing  - Acceptance Testing  => Click to proceed. |
| **Step 6** | **Process and Manage Test Cases:** TestVista will redirect you to Viewpoint Management and then Test Case Management. Review, edit, or refine the generated test cases as needed. |
| **Step 7** | **Export Test Cases File:** Export the test cases as a file (DOCX, CSV, or PDF depending on option). |
| **Step 8** | **Submission:**  Prepare your exported test case file for submission.  Write a brief reflection:  - Was the AI-generated output accurate and comprehensive?  - What challenges did you face?  - How did TestVista assist in improving your testing workflow? |

## **7. Final Submission Checklist**

**Screen Recording (max 5 minutes):**

* Show the TestVista workflow:
  + Logging in, adding a test suite, uploading the document, viewpoint generation, selecting test level, managing test cases, and exporting the result.
* Briefly narrate how TestVista helped your process.

**Supporting Files:**

* Exported test cases file (from TestVista)
* Brief documentation (README or PDF):
  + Your uploaded requirement document (or describe its contents)
  + Short summary of experience, challenges, and how TestVista supported your process