# Test Analyst

## Definition

**# Source**: **Chatgpt (GPT-5-Standard) at [8/22/2025]**

A **Test Analyst** (sometimes called **Test Designer**) is responsible for **analyzing requirements and designing detailed test cases** to ensure the software meets business and functional requirements.

* Focuses on **what to test and how to test it**, rather than managing the overall testing process.
* Works closely with business analysts, developers, and testers to ensure **coverage of all requirements**.

## Key Responsibilities

**# Source**: **Chatgpt (GPT-5-Standard) at [8/22/2025]**

1. **Requirement Analysis**
   * Review **business, functional, and non-functional requirements**.
   * Identify **gaps, ambiguities, or inconsistencies** in requirements.
2. **Test Design**
   * Design **test scenarios, test conditions, and detailed test cases**.
   * Ensure **coverage for all functional and business requirements**.
   * Specify **expected results** for each test.
3. **Test Data Preparation**
   * Prepare the **data required** for executing test cases.
4. **Collaboration**
   * Work with **developers, testers, and business analysts** to clarify requirements.
   * Assist **test execution teams** in understanding test cases.
5. **Review and Optimization**
   * Review test cases for **completeness and effectiveness**.
   * Optimize test cases for **maximum coverage and efficiency**.

## Skills Required

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* Strong **analytical skills** to understand requirements.
* Knowledge of **test design techniques** (equivalence partitioning, boundary value analysis, decision tables, etc.).
* Attention to detail.
* Good **communication skills** to clarify requirements with stakeholders.
* Familiarity with **requirement management tools** (e.g., JIRA, DOORS).

## Deliverables / Outputs

**# Source**: **Chatgpt (GPT-5-Standard) at [8/22/2025]**

* **Test Scenarios**
* **Detailed Test Cases**
* **Test Data Sets**
* **Traceability Matrix** (mapping requirements to test cases)

## Shortcut to Remember:

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**Test Analyst = Understand requirements → Design test cases → Ensure coverage**