



## Spec2TestAI™

Zensar's Spec2TestAI™\* utilizes a generative AI foundation to enhance business requirements, generate robust test cases and development assets, and foster a culture of defect reduction through the early creation and review of business and technical artifacts. This innovative tool provides stakeholders with an early view into the probable end result of project requirements, allowing for the correction of ambiguities, misstated requirements, and the addition of missing requirements before any code is written.



### Need for this offering

In software development, defects and miscommunications can arise from unclear or incomplete requirements, leading to delays, increased costs, and subpar products. Traditional methods often catch these issues late in the development cycle.

Spec2TestAI™ addresses the need for early detection and resolution of requirement issues, embedding quality, and preventing defects from the beginning stages of the Software Development Lifecycle (SDLC).



## Features

- **Generative AI foundation:** Leverages advanced AI to enhance business requirements and generate test cases and development assets
- **Early defect detection:** Provides an early view into project requirements to identify and correct issues before coding begins
- **Automated test case generation:** Quickly and easily generates test cases based on refined requirements
- **Requirements analysis:** Profound analysis and test coverage to review and clarify requirements
- **Automation test scripts:** Auto-generates automation test scripts, streamlining the testing process



## Key differentiators

- Embeds quality and defect prevention at the start of the SDLC, reducing rework and improving efficiency
- Facilitates early collaboration among stakeholders, ensuring alignment and clarity on project requirements
- Offers profound analysis and test coverage, ensuring all aspects of different requirements are addressed
- Automates the generation of test cases and scripts, saving time and resources



## Benefits

- By addressing ambiguities and incomplete requirements early, the tool significantly reduces defects in the final product
- Promotes better communication and collaboration among stakeholders, leading to more accurate and complete requirements

- Early detection and correction of issues prevent costly rework and delays, optimizing the development process
- Ensures higher quality products by embedding quality checks throughout the development cycle



## Use cases

- **Agile development teams:** Facilitates agile development by embedding quality and preventing defects, ensuring quick and effective requirement validation and test case generation
- **Quality assurance teams:** Helps QA teams by automating test case generation and providing comprehensive test coverage analysis
- **Project managers:** Assists project managers in identifying and addressing requirement issues early, improving project planning and execution
- **Business analysts:** Aids business analysts in refining and clarifying requirements, ensuring all stakeholder needs are met accurately
- **Software developers:** Provides developers with clear and precise requirements and test cases, reducing development time and improving code quality

\* Note: Spec2TestAI™ is a partner (AgileAI Labs) tool

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