To the future with AI

Is your software development ready for the AI revolution?

With the help of AI, the organization is able to do more in the same time, focus on what is essential, and operate more efficiently. Having access to AI is not enough. Your teams must be able to produce and control assets needed to employ AI-driven tools.

Rapidly evolving Software Development Landscape: AI Impact

Software development is always in a flux, driven by evolving methods, practices, and tools. The rise of language model-based AIs accelerates this change.

As lean ways of working gained ground, specification - and its importance - often got overlooked. Prototyping took precedence, and the focus was on documenting work rather than the actual software. This risks inadequate specifications for critical systems, especially when using tools lacking features for maintaining the specification.

AIs, based on language models, will revolutionize development practices and tools, aiding significantly in code generation, testing, bug detection, documentation streamlining, and task automation.

Preparing for the Evolution

Language models work on written material. To leverage AI benefits, software needs to have a maintained specification understandable by the language model. This shift envisions developers focusing on maintaining specifications, enabling AI-assisted creation of various assets, and transcending mere code production.

The purpose of using AI is not to replace humans. AIs should be seen as a next-generation tool - an effective assistant - that makes work more efficient and does the things that prevent people from focusing on what is essential.

Having, owning, and maintaining the specifications - and related assets - for your business-critical software, and investing in partners with a strong vision in AI ensures efficiency now, and in the future.

Developer's perspective

The use of AI boosts the productivity of software development. To utilize state-of-the-art AI models, a specification must be available for generative AI to be able work now and in the future.

Meliora Ltd is a vendor with a strong vision in AI that offers a comprehensive AI-assisted software lifecycle management tool consisting of **specification management, task management, testing, and issue management** features.

Chore of documenting in evolving landscape

When developing systems with high enough quality requirements, a coherent enough specification has always been the backbone of successful software creation. The absence of efficient tools made this task burdensome, leading to a gradual decline in emphasis on maintaining the documentation.

The rise of lean methodologies shifted the focus by emphasizing responsiveness, often sidelining the significance of a specification. Instead, developers started documenting the work completed rather than the evolving system. The lean ethos streamlined the way of working but inadvertently undervalued the essence of a well-documented system blueprint. The result is a potential loss in the holistic understanding of the software in development and in capability of employing future AI tools.

AI-assistance to the rescue

The landscape of software development will witness a significant renaissance. Generative AI tools will become more capable, extending beyond their current scope to encompass more areas of development such as user interface design and even the architecture of entire systems.
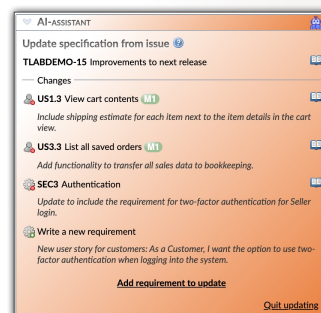
Maintaining and documenting the specifications does not need to be hard. Leveraging correct tools that use AI to aid in writing, maintenance and in analysis of these specifications will become standard practice. AI-powered tool to manage the specifications makes it easy for your team to maintain the valuable assets of your business-critical software.

AI features in a nutshell

With a strong background in test management, Meliora's software development platform offers a quality-oriented suite of AI-assisted features for specification management, task management, testing, and issue management. Below are some highlights of AI-powered features of the platform.
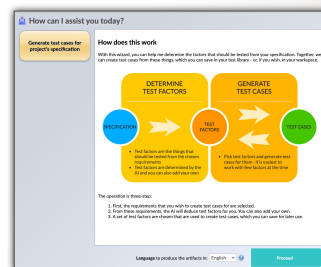
AI-driven specification management

Our assistant can update changes to your current specification, write new items, suggest improvements and find similarities to avoid overlap.
Managing large specifications and making use of your existing specification has never been easier.

Generating test cases

To verify that your software works as expected, you can use our award-winning assistant to generate test cases. Spar with the assistant first, then let the assistant write up steps what your testers should look for in your software.

Issues easier to work with

Use our assistant to find duplicates and analyze your issues to get insight on how to improve them to make working with them more effective.

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