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THE REQUIREMENTS AGENT REVOLUTION:

Structuring PRDs, Epics, and More

By Mariusz Slapek, Natalia Cheba and Nazarii Drushchak



Getting applications to market quickly and efficiently is essential. Yet, many teams are bogged down by old habits. We've all seen it: endless meetings to define requirements, tedious manual work to turn designs into code, and inconsistent documents that create more confusion than clarity. These bottlenecks cause delays while stifling innovation and wasting the time of talented people. As discussed in [our Generative AI Trends article](#), AI agents represent a breakthrough for companies seeking to expand their operations effectively.

We need a new approach that strikes at the root of the problem. The benefits of using an AI agent to gather requirements are clear: higher-quality documentation, faster results, and scalable processes. Enter the Requirements Agent, a specialized solution that automates and standardizes the creation of key documents like product requirements documents (PRDs), epics, and service blueprints. This agent is one of the core components of our [agentic software development suite](#).

Remove bottlenecks with a Requirements Agent

Automating the requirements process is about gaining a decisive competitive edge. It allows companies to transform a manual, error-prone task into a smooth, intelligent workflow. An automated Requirements Agent directly addresses common bottlenecks, offering tangible benefits:

Benefit	Description	Impact
Accelerated Delivery	Start development with clear, actionable requirements, significantly shortening delivery cycles.	Accelerated time-to-market
Enhanced Quality & Consistency	Enforce standardized templates and best practices for documentation and code, minimizing errors and ensuring alignment with design.	Increased product reliability
Resource Efficiency	Free up product managers and analysts from routine tasks to focus on strategy and innovation.	Improved strategic focus
Scalable Framework	Access an adaptable framework that supports growing product complexity and enables scalable project execution with minimal manual labor.	Enables large-scale delivery
Decrease Cost	Reduce project expenses by minimizing rework and optimizing resource allocation.	Reduced development costs

However, implementing such a solution comes with its own set of challenges that need to be managed:

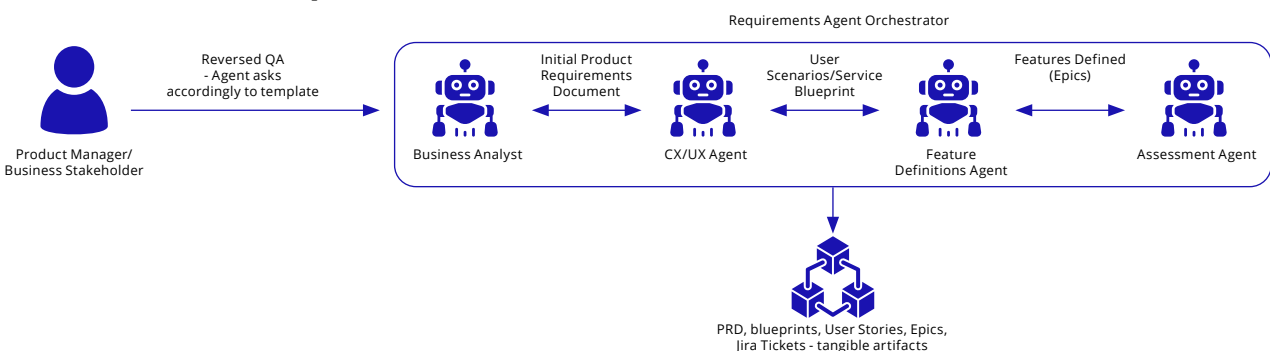
Challenge	Description	Impact
Handling Edge Cases	While excellent for standard tasks, the agent might require human intervention for highly unique or unforeseen edge cases.	Potential for inaccurate specifications
Integration Complexity	Connecting the agent seamlessly with a company's unique and often customized toolchain (e.g., Jira, Confluence) can be complex.	Delayed workflow disruption
Overreliance Risk	Teams might become overreliant on the agent, potentially skipping crucial human validation and strategic oversight steps.	Erosion of critical thinking skills

The impact of this approach is felt across various sectors. For example, in software and technology, it's used for generating epics and user stories for new feature development in agile workflows. In financial services, it helps in creating detailed business requirements documents for new regulatory compliance features. For ecommerce, it's ideal for automating the creation of PRDs for new marketplace features or checkout process improvements, and in manufacturing, it assists in defining software requirements for a new IoT-enabled predictive maintenance system on a factory floor.

An intelligent assistant at your fingertips

Creating comprehensive product requirements can be difficult and time-consuming. The Requirements Agent is an orchestrated multi-agent system designed to guide a product manager through a structured documentation process. In simple terms, the agent acts as an intelligent assistant that interviews a product manager to understand their idea and then automatically writes all the necessary project documentation, ensuring all information is captured consistently.

SOLUTION VISION - REQUIREMENTS AGENT



At the heart of the solution is a team of specialized agents, each with a distinct role, managed by a central Requirements Agent Orchestrator. Let's meet the team:



The Business Analyst Agent:

This is the first point of contact. Its primary job is to conduct a "Reversed QA" session, where it interactively questions the product manager to transform a high-level idea into a structured Initial product requirements document (PRD).



The CX/UX Agent:

This agent thinks like a user. It takes the PRD and builds upon it, creating detailed user scenarios and service blueprints that visualize the user's journey and interactions with the product.



The Feature Definitions Agent:

This agent acts as a bridge to the development team. It analyzes the user scenarios and translates them into concrete, actionable items like features and epics that are ready for implementation.



The Assessment Agent:

This is the quality control specialist. It performs a final review of all generated documents, checking for consistency, completeness, and alignment with the original vision before concluding the process.

The orchestrator ensures these agents work together in a seamless flow. It manages the handoff of documents from one agent to the next, creating a logical progression from a vague idea to a polished set of development-ready artifacts. This entire process is supported by core design principles like template-based customization, ensuring all outputs meet organizational standards, and a modular architecture that allows for extendibility with new agents in the future. The whole system is packaged as a standalone SDK for easy integration, which also helps to adapt it to different LLMs, making this solution cloud-agnostic.

The process results in a comprehensive set of artifacts that can be used directly by design and development teams, including PRDs, service blueprints & user scenarios, epics & user stories, and ready-to-use Jira tickets.

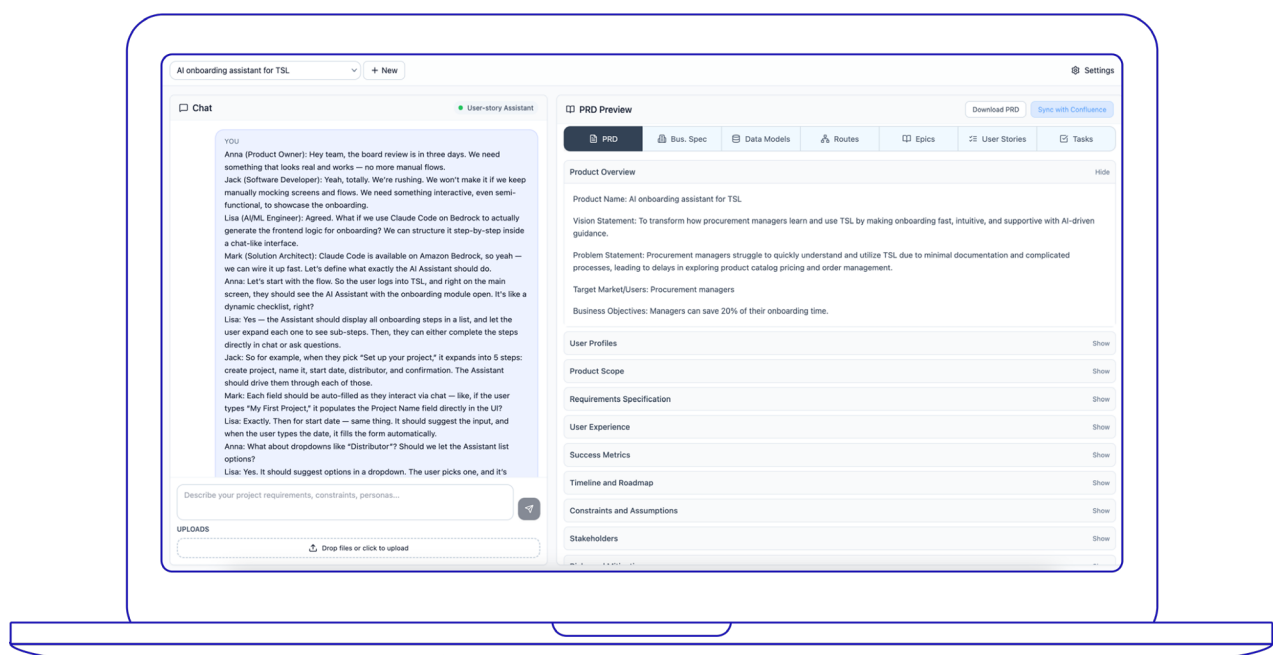


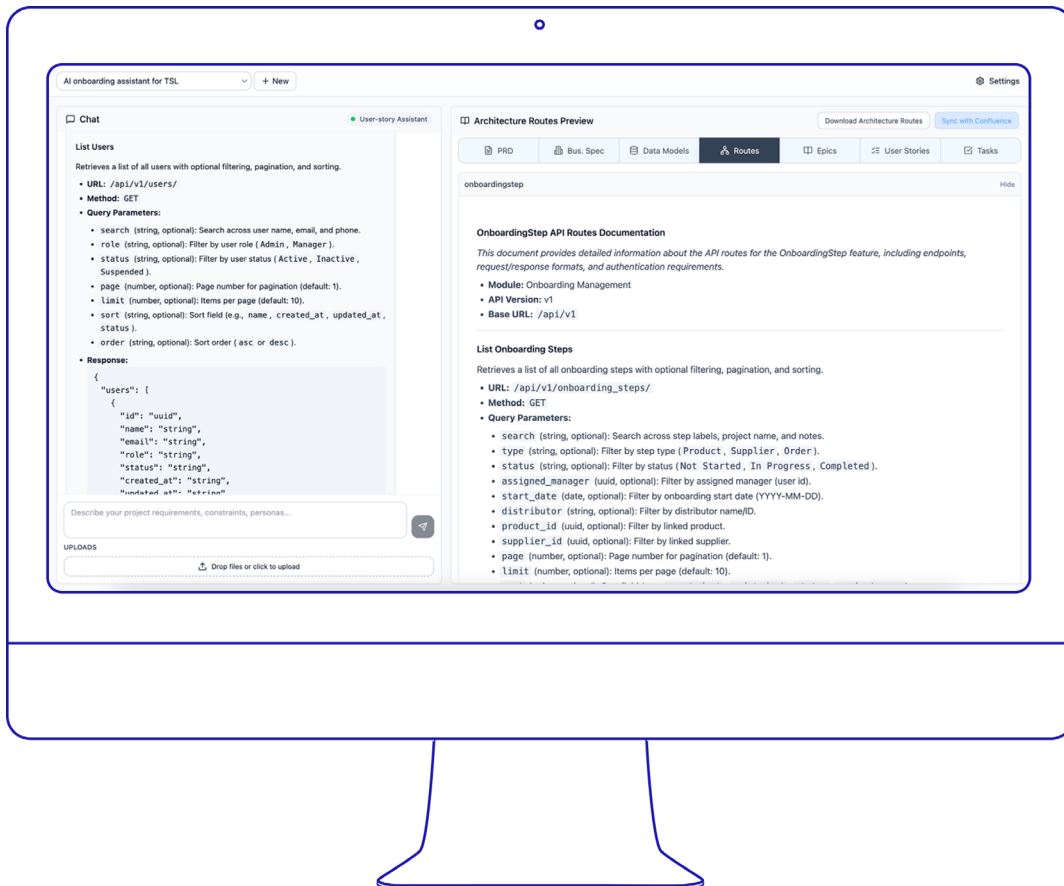
The Requirements Agent in action

A product team at a fast-growing tech company was tasked with building an AI chatbot to help their customers navigate a complex library of technical documents. The initial idea was met with enthusiasm, but also a familiar sense of dread. The project kickoff was a maze of vague statements and conflicting assumptions. The engineering lead was worried about data sources, the UX designer was unsure about the target user, and the product manager was struggling to translate the high-level vision into a concrete plan. It was a classic case of a great idea getting stuck in the mud of ambiguity.

This time, however, they had the Requirements Agent. The product manager fed the initial, messy brief into the system. Instead of scheduling more meetings, the agent began a focused dialogue, asking pointed questions that forced clarity.

Within hours, something remarkable happened: The agent produced the first draft of a PRD. While this draft provided a solid foundation, the product manager was still responsible for reviewing and refining it to ensure perfect alignment with the business vision. The ambiguity that had plagued the kick-off meeting was gone. The document provided a single source of truth that the entire team could rally around. The engineers saw a clear path for implementation, the designers understood the user journey, and the product manager could finally create a realistic roadmap. By automating this crucial first step, the **Requirements Agent speeds up the creation of the first version of PRDs and all initial project requirements by up to 50%**. The project, once stalled, was now moving forward with a speed and alignment the team had never experienced before. They didn't just get a document; they got a shared understanding, and that made all the difference.





Accelerate your projects

Requirements Agents are a huge step forward in product planning. Agents help you work faster and bring order to what is often a chaotic process. By giving your development and design teams much better input from the start, you improve the quality and speed of the entire project. For teams ready to reduce planning overhead and accelerate their delivery pipelines, the Requirements Agent represents the future. It's a tool that creates clarity from complexity, setting the stage for faster, more efficient, and more successful projects.



Ready to explore how the Requirements Agent can be tailored to your organization's unique challenges? Contact our SoftServe team to learn more and accelerate the gathering of requirements together.

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SoftServe is a premier IT consulting and digital services provider. We expand the horizon of new technologies to solve today's complex business challenges and achieve meaningful outcomes for our clients. Our boundless curiosity drives us to explore and reimagine the art of the possible. Clients confidently rely on SoftServe to architect and execute mature and innovative capabilities, such as digital engineering, data and analytics, cloud, and AI/ML.

Our global reputation is gained from more than 30 years of experience delivering superior digital solutions at exceptional speed by top-tier engineering talent to enterprise industries, including high tech, financial services, healthcare, life sciences, retail, energy, and manufacturing.

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AUSTIN HQ

201 W. 5th Street, Suite 1550
Austin, TX 78701
+1 866 687 3588 (USA)
Toll Free: +1 866 687 3588

LONDON

30 Cannon Street
London EC4 6XH
United Kingdom
+44 203 807 01 41

info@softserveinc.com
www.softserveinc.com

softserve