

desirable functions of AI applications in SCRUM (agile project management)

1	Product Definition	When implementing agile methods, clarifying your product's precise definition is crucial. This often evolves from the initial concept, impacting tasks' scope, Product Owner selection, and the scale of adoption. The process involves shifting from an 'ideal' to a 'practical' product definition through a series of focused questions.
2	Prioritization of Product Backlog items	Prioritization of Product Backlog items in Scrum entails the Product Owner evaluating and ordering items based on their value and business importance. He works closely with the Development Team to gain insights into technical feasibility and dependencies. This helps the Scrum Team focus on delivering the most valuable work in each Sprint. It's an ongoing process that adapts to changing needs and feedback.
3	Product Backlog	Product Backlog is a dynamic list of all the features, enhancements, and fixes that are needed for a product. It serves as the single source of requirements for the Scrum Team and is continually refined and prioritized by the Product Owner.
4	Sprint Planning	Sprint Planning is a meeting where the Scrum Team defines the Sprint Goal, selects backlog items, and breaks them into tasks. It ensures a shared understanding of the work for the upcoming Sprint and typically lasts a few hours.
5	Effort Estimation in Sprint Planning	Effort Estimation in Sprint Planning involves assigning relative points to backlog items to assess their complexity and effort. This helps the team select a realistic amount of work for the Sprint, enhancing planning accuracy. Common techniques include Planning Poker and T-shirt sizing.
6	Sprint Backlog	The Sprint Backlog is a list of tasks and user stories selected by the Development Team for the current Sprint. It outlines the specific work to be done, including estimates and dependencies, to achieve the Sprint Goal. It serves as a day-to-day plan for the team during the Sprint.
7	Daily Scrum	The Daily Scrum is a brief, daily meeting in Scrum where the Development Team discusses progress, plans for the day, and any obstacles. It helps ensure team alignment, transparency, and collaboration, typically lasting around 15 minutes.
8	Definition of Done	The Definition of Done (DoD) is a predefined set of criteria that specifies when a work item or feature is considered complete. It ensures quality, completeness, and consistency in agile development and serves as a benchmark for delivering shippable increments. The DoD varies by team and project.
9	Sprint Review	The Sprint Review is a meeting held at the end of each Sprint, where the Scrum Team and stakeholders assess completed work against the Sprint Goal and Definition of Done. It allows for feedback, discussion, and potential adjustments to the product backlog based on stakeholder input.
10	Retrospective	A retrospective is a Scrum meeting that occurs at the end of each Sprint to reflect on the team's performance, identify successes and areas for improvement, and plan actions for enhancing future work. It fosters a culture of continuous improvement in agile development.
11	Product Backlog Refinement	Product Backlog Refinement, also known as Backlog Grooming, is the continuous process in Scrum where the Product Owner and the Development Team collaborate to clarify, prioritize, and enhance items in the Product Backlog. Its aim is to ensure backlog items are well-defined and ready for selection in Sprints, facilitating smoother planning and delivery of valuable work.
12	Coaching a Scrum Team	Scrum Master is responsible for coaching a Scrum Team. This involves guiding and supporting the team in understanding and implementing Scrum principles and practices. This includes facilitating Scrum ceremonies, removing obstacles, and promoting continuous improvement. The goal is to empower the team to work collaboratively, self-organize, and deliver value effectively using Scrum.

Possible AI functions	Example
Create	Create project schedule
Update	Update project progress and schedule
Identify	Identify safety issues
Analyze	Analyze business value
Recommend	Recommend team members for specific project
Estimate	Estimate project cost
Collect data	Collect data on vendors
Evaluate	Evaluate data on identified and emerging risks
Summarize	Summarize meeting transcript
Other?	