



AGILE DEVELOPMENT AT VIA SOFTWARE





WHO WE ARE

VIA SOFTWARE

We are a software and consulting firm based in Germany, focussed on designing and developing IT solutions fitting perfectly to the needs of our customers.

The VIA Software team brings a fine blend of people with sound mathematical background as well as Project Management and Operations Research know-how.

Our solutions help our customers to master the complexity of their business by efficiently managing, utilizing and visualizing the relevant data. We are experts in incorporating forecasting algorithms, optimization or simulation techniques and innovative decision support functionalities into solutions for our clients. By this we contribute to increase service quality, reduce operational costs and strengthen profitability.

WHAT WE OFFER

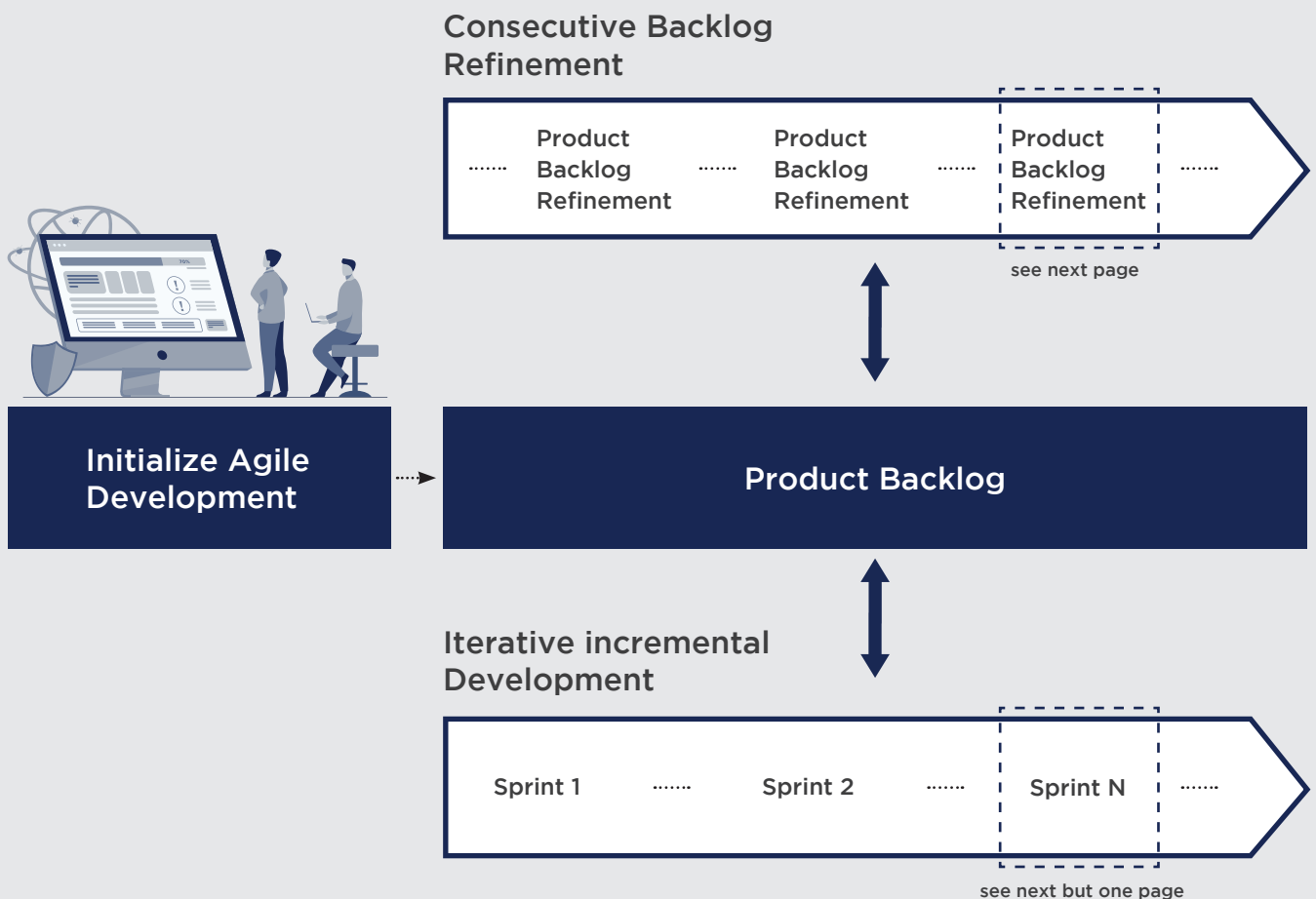
We have embraced agile development processes, finding them ideally suited to arriving at resilient results efficiently. We give you a brief overview on how we understand this development process.

Initialization of the Agile Development includes:

- Describe objectives
- Get on board stakeholders
- Form team
- Set up initial Product Backlog
- Set up initial Infrastructure
- Agree upon responsibilities, roles, project communication and tools
- Elaborate initial release plan
- Estimate costs
- Clarify budget and funding

The **Product Backlog** is the ever-changing backbone of the agile development process. It stands at the beginning of the process, and accompanies it all the way to the ready product, becoming more and more refined as we go.

Agile development means **Iterative and Incremental Development**. It consists of repeated cycles (sprints) of fixed length where in each cycle (iteration) smaller portions of the software (increments) are developed at a time. This approach allows software developers to take advantage of what was learned during development of earlier parts or versions of the system. Furthermore, unlike the Waterfall Model Agile Development provides a working product at the end of each sprint, being the pre-condition for continuous improvement based on user feedback.

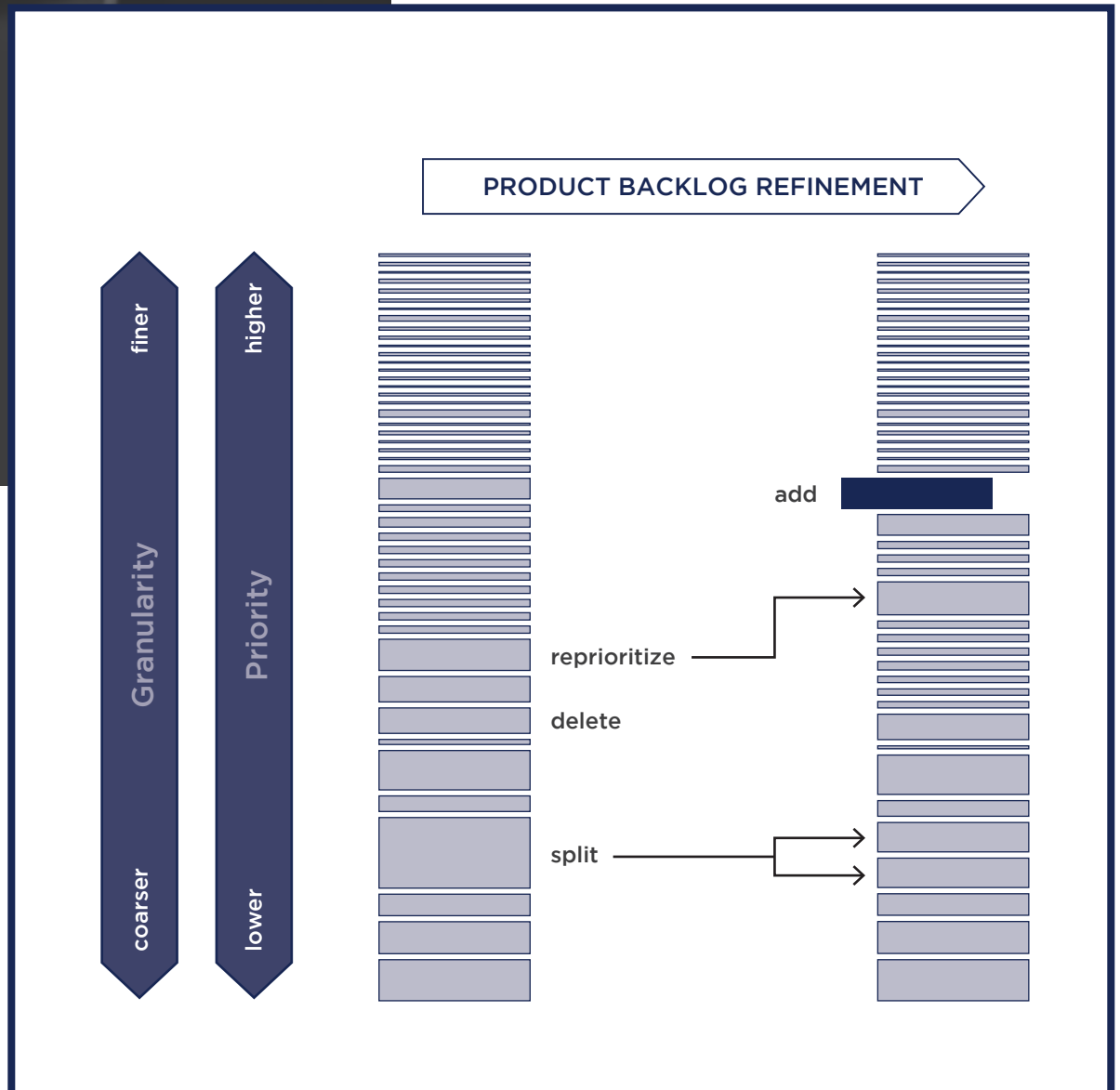




PRODUCT BACKLOG REFINEMENT

The Product Backlog is the ordered list of everything of that's needed in the product. And as the development progresses, this knowledge becomes both broader and more detailed.

That's why the Product Backlog is continually changing, keeping pace and setting the pace for the entire software development process.



SPRINT

The development iterations - called Sprints - consist of the following five activities:

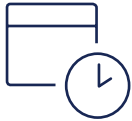
Sprint Planning

Daily Scrum

Development

Sprint Review

Sprint Retrospective



SPRINT PLANNING

Every sprint starts with the Sprint Planning Meeting. At this meeting the product owner and the development team jointly agree upon the product increment that is targeted as the result of the upcoming sprint. This targeted product increment, also called Sprint Goal, guides the selection of items of the product backlog which are planned to be implemented during the sprint. Furthermore an actionable plan for the development of the selected backlog items is elaborated.



DAILY SCRUM

The Daily Scrum is a short daily meeting of the Scrum Team with the purpose of synchronising the activities of the team members and identifying impediments with respect to reaching the defined Sprint Goal.



SPRINT REVIEW

At the end of a sprint the product increment developed during the sprint is reviewed by the members of the scrum team and the stakeholders. Also the product backlog is updated if required.



SPRINT RETROSPECTIVE

While the Sprint Review focuses on the Product Increment developed in the Sprint, the Sprint Retrospective focuses on the development process: The team discusses what worked well in the last sprint, what didn't work well and what can be improved in future sprints.

GET IN TOUCH



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