

THE AGILE WORKING MODEL MAP

METHODS

- OKRs**
"Method to operationalise the strategy, vertical alignment from vision to mission to goals for departments and teams, perfect to combine with Scrum, Kanban and Scrumban"
- Kanban**
"Flow oriented, horizontal process organisation method, works very well for operations and support, important is to have WIP limits on Kanban board"
- Design Thinking**
"Method to generate fast new ideas for concrete problems in a very playful but systematic way, double diamond with problem and solution areas, perfect for innovation workshops"
- Scrumban**
"Combination of the benefits of Kanban and Scrum to suit the real world with it's changing demands and requirements, focused on delivering continuously value, my favourite process organisation method"
- Scrum**
"Very restrictive and predefined process organisation method, often to far away from reality, perfect for very focused and out of operational product development"
- Lean Startup**
"Build, Measure and Learn, very effective to develop products based on customer feedback in fast cycles, for me rather an underlying mindset than method"

ROLES

- Scrum Master (ScM)**
"Caring about how to do stuff efficient, team protector & impediments cleaner, never let the ScM and the PO be the same person"
- Code Owner (CO)**
"Has overview about the whole code and it's relationships, code manager and lead architect"
- Developer (Dev)**
"Caring about doing stuff right, value creator & producer"
- Product Owner (PO)**
"Maximizes Business and customer value by prioritising demands, saying no, and delivering towards a product vision, cares about doing the right things"
- Product Manager**
"Very complex and diverse role because of cross functional responsibilities, responsible for more than one product or a complete product line, develops product strategy and vision, cares about release cycles and roadmaps"

KPIs

- Team Health**
"Measuring health of code base, fun while sprint, learning while sprint, delivered value, prawns or player, productivity, do it for every sprint and see patterns after approx. 3-4 sprints"
- Burn Down Chart**
"Number one tool for PO while sprint, showing team's sprint commitment for a sprint in story points, stating the remaining story points for the sprint over remaining time for the sprint, use the auto generated JIRA Burn Down"
- Planability**
"Unit is story points, showing initial commitment for sprint, resolved from initial commitment, new tasks while sprint and resolved from new tasks while sprint, very helpful for sprint analysis and retro"

EXERCISES & GAMES

- Ball-Point Game**
"Learning and understanding the idea of sprints, planning and retrospectives in a very fun way, perfect group size 5 to 15 people, playing 5 rounds shows effect well, time needed approximately 30mins"
- Packing the Suitcase**
"Nice format for retrospectives to figure out what has to stay in the suitcase, what needs to come new in and what has to be taken out, leads to very concrete tasks for team improvement"
- The Boat Journey**
"Nice format to think about today and tomorrow in retrospectives by looking at treasures and rocks that might come up"
- Magic Estimation**
"Very effective exercises to estimate fast a lot of tasks, my recommendation is to use T-Shirt sizes or animals as scale"

RIUALS

- Retrospektive**
"Most important ritual, improvement of team and its working model, outcome is tasks for the backlog"
- Demo / Review**
"Developers showing the achievements of a sprint to the PO and stakeholders, shows respect to developers, good source of new input for the PO"
- Sprint Planning**
"Technical related between PO and Dev, Understanding the new tasks, estimation, commitment for sprint"
- Daily or Weekly**
"Short alignment between PO, ScM and Dev to find impediments, show progress and next steps"
- Gap Week**
"Break between sprints to cool down, have time for retro, demo and planning, time for innovation, not planned time"
- Sprint**
"Time slot for development of committed tasks, good length from practice is 4 weeks + 1 gap week"
- Backlog Grooming**
"Continuous ritual of PO while new tasks come in, old are obsolete, stuff is changing, my recommendation is to reprioritise and talk to the developers upfront to get a better feeling of the complexity"
- Backlog Adjustment**
"Reprioritising backlog elements after the retro and demo based on customer feedback, task of a PO, very important while reordering is to not forget your product vision"

CODING

- SignalR**
"Asynchronous communication between server and (web) client applications, handling three stages automatic from web sockets, server send events to long polling, written in C# for .NET"
- Ionic**
"Open source software development kit to build hybrid mobile applications for iOS and Android, supports web applications, uses TypeScript as language, perfect for fast and stunning prototypes"
- Docker**
"Virtualisation of software in containers that are isolated from each other but having all necessary software, libraries and configuration files on board to run, perfect for micro-services, scaling from micro-controller to cloud applications"
- konektilo**
"Docker application to use OPC-UA via REST, platform independent, enables every developer to use OPC-UA without any knowledge about it, plug and play tool"
- .NET OPC-UA**
"Library written in C# and based on the .NET standard to use the OPC-UA functionality between Server and Clients, very stable, developed and supported by the official OPC Foundation"
- Swagger**
"Open source ecosystem contacting tools to design, build, document, and consume REST web applications, automatic inline documentation generation for several languages"
- Python**
"Easy to learn, good to read, needs virtual runtime, perfect for quick prototyping"
- TypeScript**
"Perfect for frontend applications, nice to read, better version of JavaScript"
- .NET**
"Super stable, good documentation, large community, scalable, ideal for (backend) products"

TOOLS

- Sketching**
 - PDF Expert**
"iPad and Mac app, annotate, change and work with PDFs, very good integration, Apple Pencil approved, my standard PDF tool"
 - Keynote**
"Powerful presentation creator for Mac and iOS, my recommendation is to make your own presets for e.g. instagram and quickly work on it while on the go"
 - Affinity Designer**
"One time purchase vector and pixel design application for Mac and iOS, true killer of Adobe Illustrator, incredibly fast and stable with tons of functionality, I really love the endless zoom and art board feature"
- Collaboration**
 - Basecamp**
"Topic focused collaboration with zero overhead, clean and simple, possibility to include customers, features like to-do lists, hill charts, message boards and many more, my number one for daily collaboration"
 - MS Teams**
"Often used in concerns, chat and video functionality, integrates great in Microsoft environment, I really like the easy scheduling of meetings in the calendar view"
 - Webex Meetings**
"Starting from 12€ per Month, up to 50 people in a meeting room, screen sharing, direct web access, all major platforms supported, I like the Apple Car Play support"
 - MS Whiteboards**
"Remote whiteboard to interactively work together, integrates in MS Teams, ability to sketch and use virtual sticky notes, I love using it with the Microsoft Surface Hub"
- Storage**
 - Dropbox**
"Standard and perfectly integrated cloud solution, use pro version for 2TB storage"
 - Nextcloud**
"Self hosted, DSGVO confirmed when hosted in Germany, open source, great functionality, very stable, my recommendation is to directly book all hosted including service at Hetzner"
- Issue Tracking**
 - Jira**
"The standard for issue tracking, planning and reporting in software development, my recommendation is to start with as little functionality as possible to not make it too complex, also recommended to set up a Scrum project for better planning and reporting"
- Repositories**
 - Bitbucket**
"Code management from Atlassian supporting all known features including pipelines and integration with Jira, my recommendation is to use it together with Jira issue tracking and confluence for documentation"
 - GitLab**
"Developers love GitLab because of it's flexibility and features, from PO perspective I recommend to not use it for issue tracking because of too little overview and planability, functionality"
- Documentation**
 - Confluence**
"Fully integrated in the Atlassian environment, my use cases are technical documentation in development, coding guidelines and documentation of retrospectives"