

# WorldVistz Mobile Application

## Agile Delivery Launch

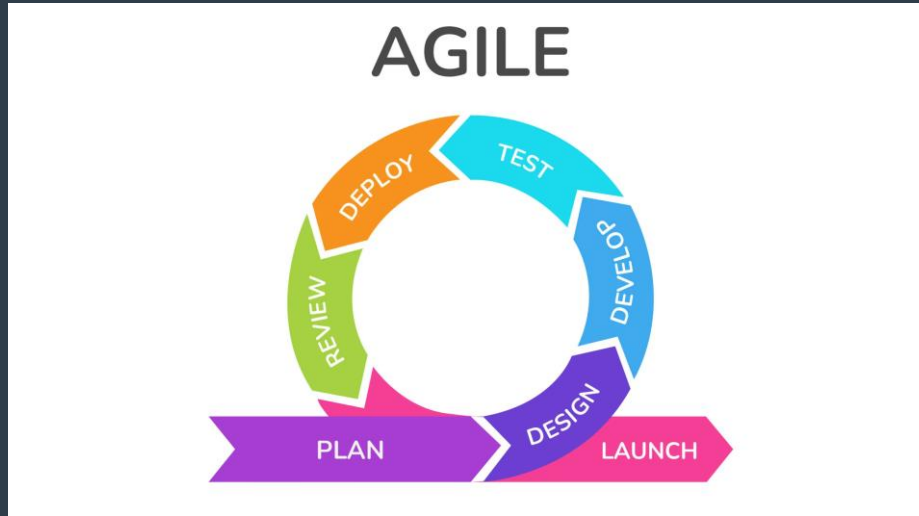
Agile Foundations - Presentation for the  
Leadership Team

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# What is Agile?

In software development, agile practices include requirements, discovery and solutions improvement through the collaborative effort of self-organizing and cross-functional teams with their customer(s)/end user(s). Popularized in the 2001 Manifesto for Agile Software Development, these values and principles were derived from, and underpin, a broad range of software development frameworks, including Scrum and Kanban.



## How WorldVisitz Can Benefit From Agile ?

IMPROVED QUALITY	Dividing projects into manageable segments empowers teams to concentrate on high-quality development, thorough testing, and effective collaboration.
FOCUS ON BUSINESS VALUE	Enhanced emphasis on business-strategic values involves engaging all or most stakeholders in the development process. This approach enables the team to grasp the critical aspects and prioritize the most significant issues or topics.
FOCUS ON USERS	Utilizing user stories with business-focused acceptance criteria offers a structured approach and provides clarity on the desired outcomes. Additionally, it presents an opportunity to beta-test the software, allowing for early feedback and refinement.
STAKEHOLDER ENGAGEMENT	Involves diverse stakeholders across iterations, enhancing collaboration and understanding of business values.
TRANSPARENCY	Prioritization, inspection, and adaptation are the cornerstones of effective project management and decision-making in an Agile context. Prioritization directs teams towards the most valuable and relevant tasks, minimizing the risk of wasted effort.
Adaptability to Change	Allows for continual refinement and reprioritization of the overall product backlog, facilitating the planning of new items for upcoming iterations.
Collaboration	essence of working together to achieve a shared goal within a process. The crucial aspect of a collaboration tool is its capacity to facilitate quick responses.

# Agile Values

## Individuals and interactions over processes and tool

- the focus is on the people. You can use the best processes and tools available launching the 'Worldvisitz App', but they will only work if your people are doing their best work. Your team is your most valuable resource. Communication plays a key role here — when people interact with each other regularly and share their ideas, they build better products.

## Working software over comprehensive documentation

- Before Agile practices, teams spent extensive time creating detailed technical specifications and requirements documents, delaying the development process. Agile streamlines this by condensing information into user stories, enabling developers to promptly start working on the software. This approach accelerates the launch process, facilitating early product tweaks for continual improvement in subsequent iterations.

## Customer collaboration over contract negotiation

- The third value of the Agile Manifesto emphasizes customer collaboration over contract negotiation. Unlike the traditional approach of outlining product requirements upfront and renegotiating later, Agile involves engaging customers throughout the development cycle to gather continuous feedback. By involving customers in the process, developers can better understand their needs, gather valuable insights, and create an enhanced user experience.

## Responding to change over following a plan

- Traditional methodologies prioritized minimal change to avoid disruptions and maintain a structured, linear path. Conversely, Agile challenges this approach, advocating for embracing change as beneficial to the software development process. Agile teams work in short, iterative cycles, allowing them to swiftly react to changes and continuously improve, resulting in superior products.

# Agile manifesto

**Our highest priority is to satisfy the customer through early and continuous delivery of valuable software**

Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage

Agile principles advocate for minimizing the time between ideation and launch, in contrast to traditional approaches with lengthy development cycles.

By swiftly getting a minimum viable product (MVP) into the hands of customers, product managers can gather real-time feedback. This feedback is instrumental in informing future releases and refining the product development process.

Software developers should possess the capability to accommodate last-minute changes to a project, demonstrating flexibility in converting these alterations into improvements swiftly

Adaptable developers minimize delays by efficiently integrating last-minute changes into the workflow, ensuring uninterrupted progress in the project.

# Agile manifesto

**Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.**

**Business people and developers must work together daily throughout the project.**

Agile teams utilize short timelines to ensure regular delivery by breaking down large projects into manageable segments.

In the Scrum methodology, these short timelines are referred to as sprints, typically lasting between one to four weeks, facilitating iterative development and frequent releases.

Collaboration is fundamental to Agile project management, where daily communication among project stakeholders is emphasized.

Regular communication minimizes confusion and maintains alignment of goals among all stakeholders involved in the project.

# Agile manifesto

**. Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.**

**The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.**

Success in a project is significantly influenced by having the right team members. It is essential to invest time in selecting the perfect team, providing them with the necessary resources, and entrusting them to achieve outstanding outcomes.

By assembling a capable and well-equipped team, you increase the likelihood of project success. Trusting the team to deliver exceptional results fosters motivation and ownership, driving excellence in project execution.

Face-to-face communication facilitates the breaking down of barriers within teams. Co-locating teams whenever feasible enhances communication and fosters the smooth flow of information.

In remote working scenarios, platforms like Zoom serve as excellent alternatives to phone calls or emails. Leveraging video conferencing capabilities enables more effective interaction among team members, even in dispersed settings.

# Agile manifesto

**Working software is the primary measure of progress.**

**Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.**

Maintaining customer satisfaction hinges on delivering high-quality software, which should be the ultimate priority and the primary measure of success.

All other factors pale in comparison to the paramount goal of ensuring the delivery of top-notch software to satisfy customers.

Agile teams must maintain consistency in their speed and performance throughout the project life cycle, ensuring they can adapt to a constantly evolving environment without encountering delays.

Sustaining a consistent pace throughout the project enables Agile teams to effectively navigate changes and complexities, minimizing the risk of delays and ensuring successful project delivery.



# Agile manifesto

**Continuous attention to technical excellence and good design enhances agility.**

**Simplicity — the art of maximizing the amount of work not done — is essential.**

In Agile, the emphasis goes beyond delivering a single product; the focus is on continuous improvement and innovation. Each iteration should introduce new updates, features, or advancements to drive ongoing enhancement.

Agile methodology prioritizes iterative development, where each cycle aims to introduce improvements and innovations, ensuring that the product evolves continuously to meet changing needs and expectations.

The Agile approach advocates for simplicity: meet requirements and do only what's necessary to accomplish the task. Avoid wasting time on unnecessary steps that don't contribute tangible value to the product.

Simplifying processes and focusing on essential tasks is key in Agile. Avoiding unnecessary complexity ensures efficiency and directs efforts towards delivering valuable outcomes.

# Agile manifesto

**The best architectures, requirements, and designs emerge from self-organizing teams.**

**At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.**

Micromanaging skilled teams is counterproductive. Allowing them to work autonomously within their structures fosters creativity and innovation, leading to superior outcomes.

Empowering teams to work independently cultivates an environment where ideas can thrive, resulting in improved productivity and better results without the constraints of micromanagement.

Regular team performance reviews enable the early identification of issues and opportunities for improvement within Agile teams.

A healthy Agile team engages in self-reflection to eliminate unproductive practices and enhance skills, fostering continuous improvement and effectiveness.

Agile vs. Waterfall		
Comparison	Waterfall	Agile
Product Lifecycle	Distinct phases	Iterative
Design Process	Sequential	Incremental
Change	Change is a challenge	Change is embraced
Mindset/Focus	Completing the project	Customer needs
Collaboration	Limited Synchronization	Significant collaboration
Requirements	Prepared at start of project	Prepared incrementally
STRUCTURE OF DEVELOPMENT	Very strict adherence to step-by-step process	Extremely Flexible
Organization	Led by Product Manager	Self-directed team

## Business Agility

Business agility applies the principles of agile development to the entire organization. This allows companies to be more responsive to change, hasten the time to market, and reduce costs without sacrificing quality.

# The benefits of Business Agility to WorldVizt

## Challenge management

- Organizations adopting business agility can easily react and respond to opportunities and threats in the marketplace while remaining customer-centric. Freed of long-term plans and strategies, these organizations can adapt to situations much faster than their more bureaucratic counterparts.

## Competitive advantage

- Agile businesses can seize upon short-term opportunities, giving them the ability to be a first mover. They can learn from their mistakes and setbacks, readjust trajectories quickly and not remain committed to their plans. And they can confidently react proactively to keep pace with (or outpace) the competition.

## Cross-functional collaboration

- Business agility can also [break down organizational silos](#) and foster creativity and innovative problem-solving thanks to the cross-pollination of ideas and supportive environment. But decentralized decision making comes with its own share of drawbacks.

Agile Umbrella

**Agile**

Scrum

Crystal

Kanban

XP

DSDM

FDD

RUP

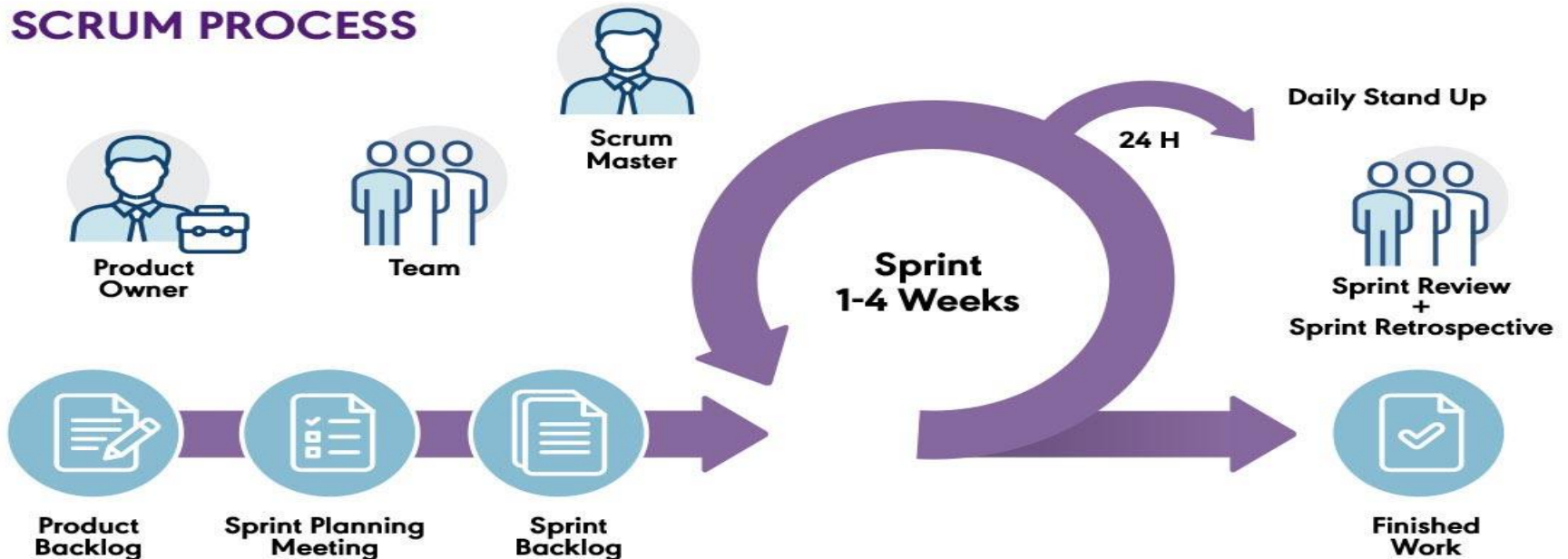
Lean

Etc.



# What Is The Difference Between Scrum, Kanban And XP?

Scrum: Emphasizes teamwork and iterative progress through time-boxed sprints.



# Scrum events & artifacts

## SCRUM EVENTS:

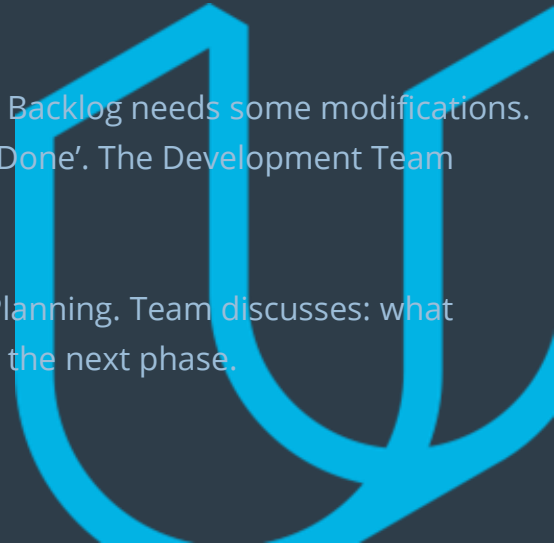
Sprint – No changes are made during the Sprint cycle that may appear to ‘harm’ or endanger the Sprint Goal

Sprint Planning – time boxed to a maximum of 8 hours for 1 month sprint.

Daily Scrum – Focuses on ‘Inspection’ and ‘Adaptation’. Aims to improve communications , eliminate unnecessary meetings and identify obstacles & potential hurdles

Sprint Review - done at the end of a Sprint in order to further inspect if the Product Backlog needs some modifications. The Product Owner explains what the backlog is, what is ‘Done’ and what is ‘Not Done’. The Development Team discusses what went well and what needs improvement.

Sprint Retrospective – conducted after the Sprint Review & prior to the next Sprint Planning. Team discusses: what went well, what can be improved, what steps are needed in order to improve for the next phase.

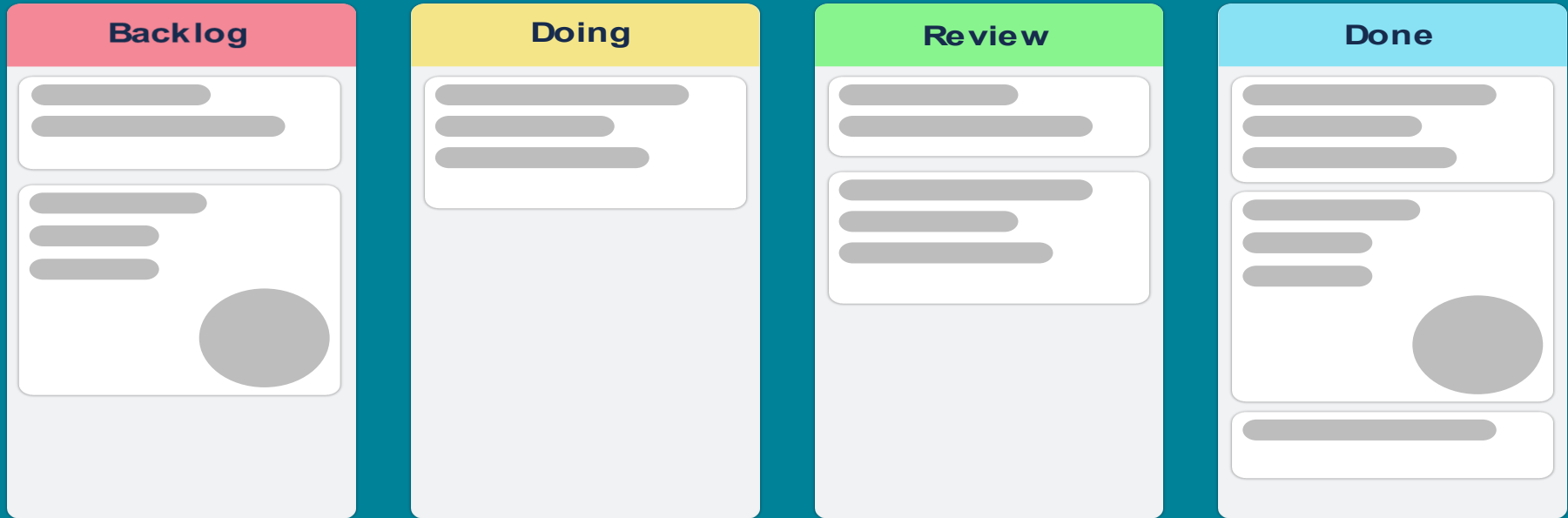




# Kanban

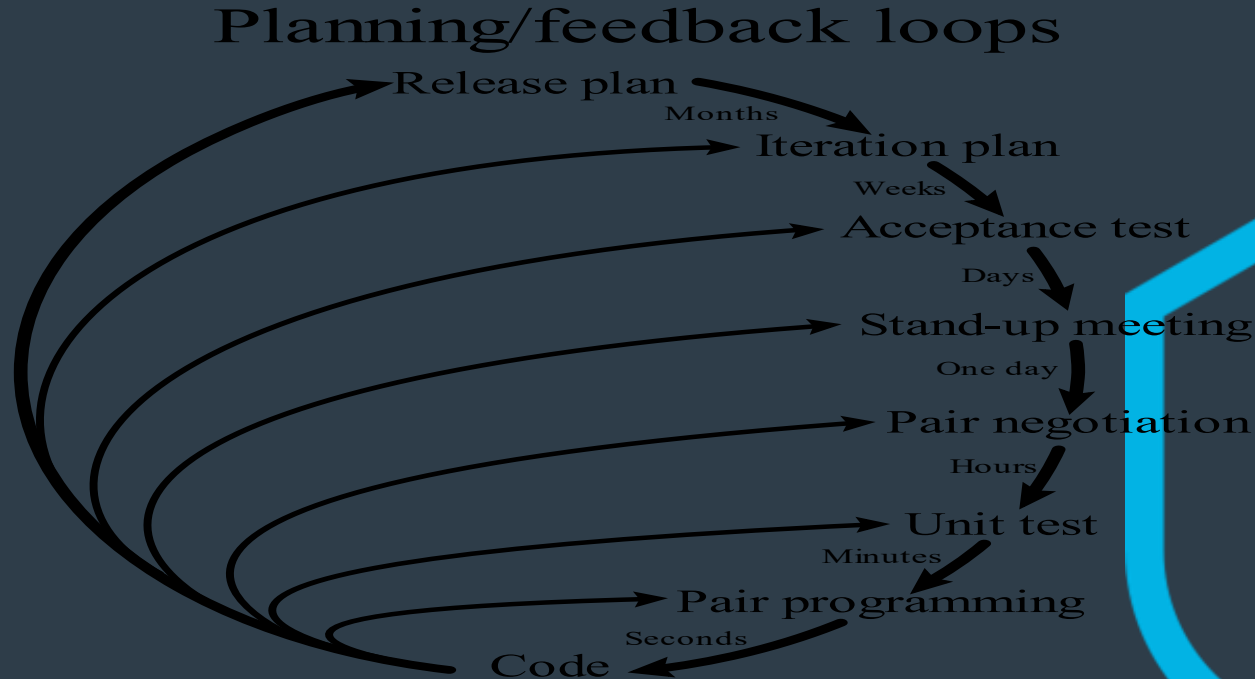
**Focuses on visual workflow management and continuous delivery.**

## Kanban Board



# Extreme Programming (XP)

Prioritizes technical excellence and customer involvement through practices like test-driven development and pair programming.



The recommended framework for WorldVisitz

# Scrum



Three key business challenges WorldVisitz is facing

Customer feedback is received late

The team lacks close physical and spiritual cohesion.

Requirements and product planning are traditionally done in advance.

## How Scrum can solve those challenges

Scrum ceremonies are built around the concept of early feedback loop

A Scrum Board helps a team plan their work together and stay focused on the Sprint goal

In Scrum change is the norm, and requests are re-prioritized at Sprint boundaries

Let's go