WorldVisitz Mobile Application Agile Delivery Launch

Agile Foundations - Presentation for the Leadership Team

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Part 1: How WorldVisitz Can Benefit From Agile

What is Agile?

Agile is a mindset and methodology focused on iterative development, customer collaboration, and responsiveness to change. It is the ability to create and respond to change. It is a way of dealing with, and ultimately succeeding in, an uncertain and turbulent environment.

(a) Individuals and interactions

over

processes and tools

(b) Responding to change

over

following a plan

(c) Working software over

over

comprehensive documentation

(d) Customer collaboration

over

contract negotiation

What is Agile manifesto?

The Agile Manifesto is a document that identifies four key values and 12 principles that its authors believe software developers should use to guide their work. Formally called the Manifesto for Agile Software Development, it was produced by 17 developers during an outing on Feb. 11-13, 2001, at The Lodge at Snowbird ski resort in Utah.

Agile **project management** brings together Agile teams of programmers, stakeholders and users to support Agile principles. Team members conduct face-to-face conversations, both in person and remotely, and they communicate regularly as part of the primary measure of progress. This approach supports the key aspect of the Agile process -- developing software in increments with user input along the way, as opposed to a final product with minimal user interaction.

What is Agile manifesto?

Principle	Description	Principle	Description
1. Customer Satisfaction 🕐	Early and continuous delivery of valuable software	7. Working Software ✅	Primary measure of progress is working software
2. Embrace Change 🔄	Welcome changing requirements even late in development	8. Sustainable Pace ⚖️	Agile promotes sustainable development pace
3. Frequent Delivery 📦	Deliver working software frequently	9. Technical Excellence 🧠	Enhance agility through good design
4. Collaboration 👥	Business and developers work together daily	10. Simplicity ✂️	Maximize work not done
5. Empowered Teams 💪	Build around motivated individuals	11. Self-Organization 🧩	Best designs emerge from self-organizing teams
6. Face-to-Face 🗣️	Best communication via face-to-face conversation	12. Reflection & Adaptation 🔁	Regularly reflect and adjust behavior

Key differences between Agile and Waterfall

Feature	Agile	Waterfall
Development Style	Iterative & Incremental	Linear & Sequential
Flexibility	Highly adaptable to changes	Rigid, changes are hard to implement
Customer Involvement	Continuous feedback and collaboration	Only at start and end
Delivery	Early and continuous	Final delivery only
Planning	Progressive during sprints	Detailed upfront
Testing	Continuous, within sprints	After development ends
Documentation	Lightweight	Comprehensive
Risk Mitigation	Handled early with iterations	Discovered late
Success Metrics	Working software & satisfaction	Scope & deadline adherence
Team Structure	Cross-functional, self-organized	Siloed & hierarchical

The benefits of Business Agility to WorldVisitz

(i) why Agile is a more effective solution for WorldVisitz

Reason	Details
1. Delivers Business Value Sooner	Agile allows WorldVisitz to launch core features like flight booking and payment much earlier than Waterfall. This incremental delivery approach accelerates monetization and captures early market share.
2. Adapts to Change Quickly	In the dynamic travel industry, Agile enables continuous response to customer needs and competitive trends—critical for optimizing upselling strategies and integrations with partners (e.g., HotelzMotelz, AutoRentalz).
3. Breaks Down Team Silos	Agile promotes cross-functional teams and daily collaboration—addressing the current disconnect between project management, offshore/onshore developers, QA, and SMEs.
4. Encourages Continuous Improvement	Through retrospectives and feedback loops, Agile helps resolve the issues of weak coding standards, poor knowledge sharing, and late-stage testing currently plaguing the team.

The benefits of Business Agility to WorldVisitz

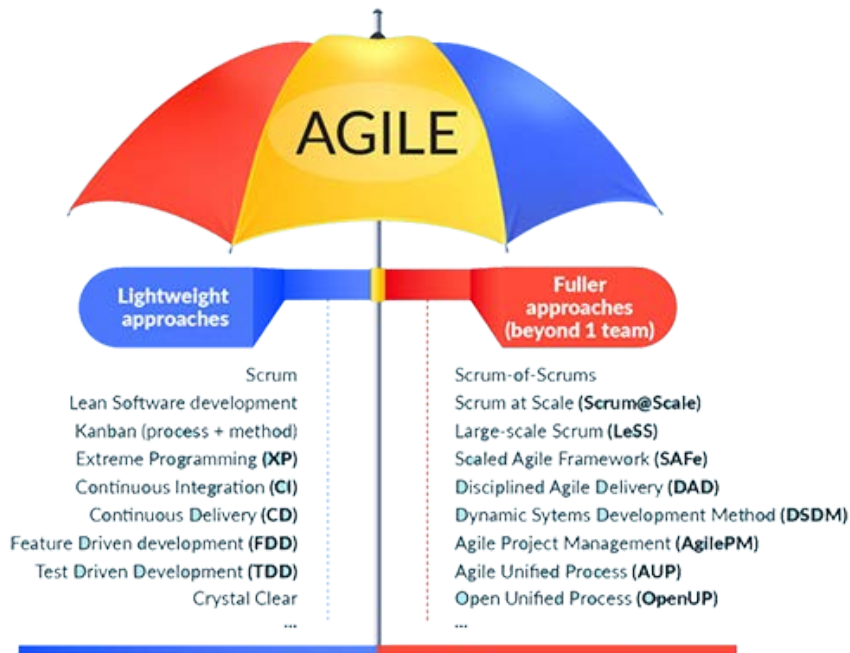## (ii) incorporate at least two Agile principles

Principle #1 – Early and Continuous Delivery"Our highest priority is to satisfy the customer through early and continuous delivery of valuable software."WorldVisitz will see working versions of the product every 2–3 weeks, allowing faster go-to-market.

Principle #12 – Reflect and Adjust Regularly"At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly."This helps address gaps in team alignment, testing timing, and communication between distributed teams.

What is Agile Umbrella

The **Agile Umbrella** refers to a collection of methodologies that align with Agile values and principles, offering different approaches to iterative and incremental software delivery.
These include **Scrum**, **Kanban**, **XP**, and others—each adaptable based on the nature of work, team maturity, and project complexity.

AGILE

Lightweight approaches | Fuller approaches (beyond 1 team)

Scrum
Lean Software development
Kanban (process + method)
Extreme Programming (**XP**)
Continuous Integration (**CI**)
Continuous Delivery (**CD**)
Feature Driven development (**FDD**)
Test Driven Development (**TDD**)
Crystal Clear
...

Scrum-of-Scrums
Scrum at Scale (**Scrum@Scale**)
Large-scale Scrum (**LeSS**)
Scaled Agile Framework (**SAFe**)
Disciplined Agile Delivery (**DAD**)
Dynamic Sytems Development Method (**DSDM**)
Agile Project Management (**AgilePM**)
Agile Unified Process (**AUP**)
Open Unified Process (**OpenUP**)
...

What is Agile Umbrella

Comparison of Scrum, Kanban, and XP

Feature	Scrum	Kanban	Extreme Programming (XP)
Structure	Iteration-based (Sprints, 1–4 weeks)	Flow-based (continuous delivery)	Iteration-based with engineering emphasis
Key Focus	Roles, ceremonies, incremental value	Workflow visualization & efficiency	Technical practices and developer discipline
Roles	PO, Scrum Master, Development Team	No fixed roles	Similar to Scrum + emphasis on dev roles
Planning	Sprint Planning, Backlog refinement	Continuous flow and priority adjustment	User stories, iteration planning
Work in Progress	Controlled via sprint commitments	WIP limits per column	Controlled through pair programming & TDD
Meetings	Daily Scrum, Review, Retrospective	Standups, review as needed	Standups, Pair check-ins, Retrospective
Technical Practices	Optional (recommended via DoD)	Not prescribed	Required (TDD, CI/CD, Refactoring, Pairing)
Best Use Cases	Cross-functional teams delivering features	Support & maintenance teams	High-change, high-risk, mission-critical systems

Part 2: The Optimal Agile Framework for WorldVisitz

Recommendations and justifications for WorldVisitz

- Overview of Agile Frameworks

Framework	Key Features	Best Fit	Limitations
Scrum	Time-boxed sprints, defined roles, structured ceremonies, focus on team delivery	Teams delivering new features with customer involvement	Requires role clarity and strong facilitation
Kanban	Visualize workflow, manage WIP, optimize flow, no mandatory roles or ceremonies	Maintenance/support teams or when priorities shift frequently	Less prescriptive, slower cultural shift
XP (Extreme Programming)	TDD, pair programming, continuous integration, frequent releases, simplicity	Technically demanding projects needing high code quality	Requires discipline and technical maturity

Recommendations and justifications for WorldVisitz

. **Three Business Challenges at WorldVisitz**

1. **Long Delivery Timeline (18+ months)**
   Impact: Delays time-to-market, ROI, and user feedback
   Solution: Scrum enables iterative releases every 2–3 weeks. Early launch of critical features (e.g., flight booking) is possible.

2. **Poor Knowledge Transfer & Siloed Teams**
   Impact: Offshore/onshore devs don't share learnings; SME and BA interactions are isolated
   Solution: Scrum encourages cross-functional collaboration through daily standups and sprint reviews; XP promotes pair programming and shared ownership.

3. **Lack of Coding Standards and Late Testing**
   Impact: Defects discovered late; inconsistent quality across modules
   Solution: XP enforces Test-Driven Development (TDD), continuous integration, and coding standards—ensuring high-quality, maintainable code.

Recommendations and justifications for WorldVisitz

. Recommended Framework for WorldVisitz: Scrum + XP Hybrid

Justification	How It Helps
Scrum provides structure and visibility	Enables iterative planning, stakeholder demos, and team alignment across geographies
XP ensures technical excellence	Addresses coding standards, testing early, and frequent releases
Combination tackles both process and code quality issues	Drives product delivery speed and code sustainability