

The Gateway to Innovation

Agile Implementation of an Offender Management System Indiana Project Delta 5/13/2022



Agenda: Part 1, 30 minutes

Agile System Implementation

Concepts

Method

Principles

People

Technology

The Sprint

Analysis

Backlog

Results

Work Product

Build

Status



Perspectives from the Indiana Team

Indiana Department of Correction

Mi-Case

FirstName LastName | Presentation Name



Agile Method



Agile and Waterfall Method Comparison

Waterfall

Requirements upfront and less time to refine

Little to no feedback during requirements

End users engaged at beginning and end

Durations based on estimates

Agile

Refining requirements throughout

Product iterates improvement

End users engaged throughout

Durations based on experience

Agile Method: Principles 1 - 6

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.

Continuous attention to technical excellence and good design enhances agility.

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

The best architectures, requirements, and designs emerge from selforganizing teams.

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

Agile Method: Principles 7 - 12

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.

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.

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.

Agile Method: People



Azure DevOps provides developer services for allowing teams to plan work, collaborate on code development, and build and deploy applications.

11,400+ records in 15 months





Agile Concepts



Agile Concepts: The Sprint



Agile Concepts: Analysis

User Stories are the unit of development

As a [type of user] I want to [do something in the system] so I can [accomplish this outcome]

Each story is simple and testable

Each story is released in a sprint

Stories are associated with features and epics

Agile Concepts: Backlog and Timeline





Agile Results



Agile Results: Work Product

Completed user stories earlier in the project

Assurance of the development of working software

Increase buy-in and engagement at the client Able to find and fix problems earlier, which reduces the accumulation of technical debt

Agile Results: Build – Development Output

User Stories

Bug Fixes



Agile Results: Status

Approved Non-Mig User Stories by Area Path Parole Module Classification ... Conduct Module Case Management... Parole Board Mo... Movement Module Intake Module **PREA** Screening Release Module Offender Grieva... Gang Management Detainers and H... 2.0K

Agile Results: Status



Team Perspectives: Lessons Learned & Applied

