

Tip: Click the book icons to Learn More about Each Methodology!

Methodologies

Used for Harvester Automation

Supplement Content for SIParCS 2021 Poster: Harvester Automation for Metadata Search Web Application



Agile Scrum

A Framework that Prioritizes on Short Sprints

Frequently Renewing Interest Across the Code Immediate Feedback on Big and Small Issues Each Issue is Equally Important to Finishing the Project



SOLID Principles

A Set of Rules to Make Maintainable Code





Each Class, Object, or Method Operates Under One Job Easy Modularity for Potential Code Repairs Each Structure Knows Just Enough to Do its Job



Layered Architecture

A Code Structure as an Application of SOLID Principles

Presentation, Application/Domain, Persistence Layers Layer Communication Does Not Skip Layers Enforces SOLID Principles



Pair Programming

A Technique That Celebrates Immediate Peer Feedback





Programming and Explaining Your Code Collaboration Over Code Boosts Codebase Knowledge Frequent Action on Code Expected to Maintain Usefulness



Refactoring Code

A Process of Restructuring Code

Beneficial to Refactor for Unit Tests, and vice versa Shifting, Organizing, Rewriting Code Balance Between Optimization and Readability

