

Screenshots Module 2: Ricciardi Adaptive Iteration Model

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CSC505: Principles of Programming

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Screenshots Module 2: Ricciardi Adaptive Iteration Model

This document contains a screenshot of the ricciardi_model.py script, user interactions, and outputs.

Figure 1

Project Outputs on Terminal – User Flow

```

Windows PowerShell
PS P:\CSU-projects\CSC-505-Programs\CTA-Module-2> uv run python ricciardi_model.py
Ricciardi Display Model
Phase Definition Tool

Please define the phases of your model by entering a name and a short description for each phase.

How many phases are in your model have? 11

--- Phase 1 ---
Enter the name of Phase 1: Initial Communication - Vision & Requirements Discovery
Enter a short description for 'Initial Communication - Vision & Requirements Discovery': Gathers and defines the product vision, stakeholders, requirements, and prioritized initial requirements

--- Phase 2 ---
Enter the name of Phase 2: Initial Planning - Iteration Strategy
Enter a short description for 'Initial Planning - Iteration Strategy': Plans major releases, the iterations, and initial priorities

--- Phase 3 ---
Enter the name of Phase 3: Release Planning - Change Request Triage & Prioritization
Enter a short description for 'Release Planning - Change Request Triage & Prioritization': Analyzes feedback, gathers items /features as user stories, technical tasks, fixes, or maintenance, and updates prioritized requirements

--- Phase 4 ---
Enter the name of Phase 4: Iteration Planning & Work Selection
Enter a short description for 'Iteration Planning & Work Selection': Selects user stories (and related fixes/maintenance tasks) for this iteration and defines iteration goals

--- Phase 5 ---
Enter the name of Phase 5: Modeling & Prototyping
Enter a short description for 'Modeling & Prototyping': Designs/models user experience with user stories and prototypes, and defines or refines use cases

--- Phase 6 ---
Enter the name of Phase 6: Stakeholder Review & Communication
Enter a short description for 'Stakeholder Review & Communication': Reviews models, prototypes, and use cases with stakeholders and refines requirements and acceptance based on their feedback

--- Phase 7 ---
Enter the name of Phase 7: Implementation - TDD Implementation & Continuous Integration
Enter a short description for 'Implementation - TDD Implementation & Continuous Integration': Implements the user stories and tests/changes items using TDD (tests first) and continuous integration

--- Phase 8 ---
Enter the name of Phase 8: Communication & User Implementation Feedback
Enter a short description for 'Communication & User Implementation Feedback': Gathers user implementation tester feedback and identifies needed changes, if any

--- Phase 9 ---
Enter the name of Phase 9: Deployment - Release to Production
Enter a short description for 'Deployment - Release to Production': Bundles developed items/features into a release, deploys to production, monitors usage, and supports users

--- Phase 10 ---
Enter the name of Phase 10: Process Improvement - Iteration Review & Pattern Capture
Enter a short description for 'Process Improvement - Iteration Review & Pattern Capture': Reviews and improves the iteration process and captures new useful process patterns for reuse

--- Phase 11 ---
Enter the name of Phase 11: Communication - Collect Feedback from Operations
Enter a short description for 'Communication - Collect Feedback from Operations': Gathers new feature requests, requested improvements, defects/bugs, and maintenance requirements

Model Summary

Phase 1: Initial Communication - Vision & Requirements Discovery - Gathers and defines the product vision, stakeholders, requirements, and prioritized initial requirements
Phase 2: Initial Planning - Iteration Strategy - Plans major releases, the iterations, and initial priorities
Phase 3: Release Planning - Change Request Triage & Prioritization - Analyzes feedback, gathers items/features as user stories, technical tasks, fixes, or maintenance, and updates prioritized requirements
Phase 4: Iteration Planning & Work Selection - Selects user stories (and related fixes/maintenance tasks) for this iteration and defines iteration goals
Phase 5: Modeling & Prototyping - Designs/models user experience with user stories and prototypes, and defines or refines use cases
Phase 6: Stakeholder Review & Communication - Reviews models, prototypes, and use cases with stakeholders and refines requirements and acceptance based on their feedback
Phase 7: Implementation - TDD Implementation & Continuous Integration - Implements the user stories and tests/changes items using TDD (tests first) and continuous integration
Phase 8: Communication & User Implementation Feedback - Gathers user implementation tester feedback and identifies needed changes, if any
Phase 9: Deployment - Release to Production - Bundles developed items/features into a release, deploys to production, monitors usage, and supports users
Phase 10: Process Improvement - Iteration Review & Pattern Capture - Reviews and improves the iteration process and captures new useful process patterns for reuse
Phase 11: Communication - Collect Feedback from Operations - Gathers new feature requests, requested improvements, defects/bugs, and maintenance requirements

Thank you for using ricciardi_model.py!
PS P:\CSU-projects\CSC-505-Programs\CTA-Module-2>

```