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Benefits of Implementing CI/CD for the UdaPeople's Project

Reduces & Avoids Cost

1. Catch Compile Errors After Merge - Less developer time on issues from new developer code
2. Automate Infrastructure Cleanup - Less infrastructure costs from unused resources
3. Catch Unit Test Failures - Less bugs in production and less time in testing
4. Detect Security Vulnerabilities - Prevent embarrassing or costly security holes
5. Automate Infrastructure Creation - Less human error, Faster deployments

Increases and Protects Revenue

1. Faster and More Frequent Production Deployments - New value-generating features released more quickly
2. Deploy to Production Without Manual Checks - Less time to market
3. Automated Smoke Tests - Reduced downtime from a deploy-related crash or major bug
4. Automated Rollback Triggered by Job Failure - Quick undo to return production to working state