UdaPeople,

A Revolutionary Concept in HR

Mustafa Zain

Mustafa_Zain@yahoo.com

introduction

We are leading a team to develop the UdaPeople product, a revolutionary concept in Human Resources which promises to help small businesses care better for their most valuable resource: their people.
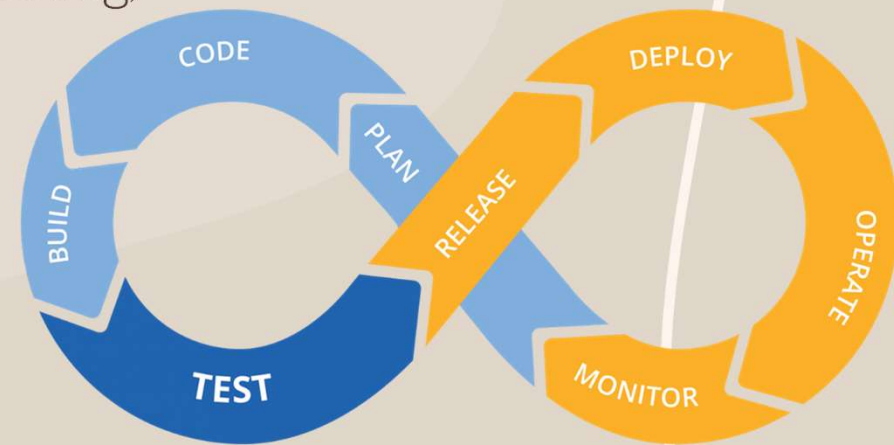
We will use CI/CD to Achieve, Build, and Deploy Automation for this project.

With using CI/CD, you can create revenue and control costs.

What is CI/CD?

- Continuous Integration/Continuous Deployment (CI/CD) describes the key stages in an automated software development and deployment flow.

- This flow typically includes design, coding, testing, integration, delivery, validation and phased deployment activities before operation in a target environment.

- Smaller software changes are key to continuous development and delivery.

What is the difference between CI and CD?

- Continuous integration (CI) is practice that involves developers making small changes and checks to their code.

- Continuous delivery (CD) is the automated delivery of completed code to environments like testing and development. CD provides an automated and consistent way for code to be delivered to these environments.

Benefits of CI/CD?

- Superior code quality
- Shorter time-to-market
- Cost reduction thanks to automation
- Fast feedback
- Easier communication
- Accurate measurement
- Greater customer satisfaction
- Increased business sustainability

How CI/CD make it possible?

Technical View	Value	Business View
Catch Compile Errors After Merge	Reduce Cost	Less developer time on issues from new developer code
Catch Unit Test Failures	Avoid Cost	Less bugs in production and less time in testing
Detect Security Vulnerabilities	Avoid Cost	Prevent embarrassing or costly security holes
Automate Infrastructure Creation	Avoid Cost	Less human error, Faster deployments
Automate Infrastructure Cleanup	Reduce Cost	Less infrastructure costs from unused resources
Faster and More Frequent Production Deployments	Increase Revenue	New value-generating features released more quickly