



Introduction of CI/CD

09.04.20XX

—

Peter Muturi

Self Udacity

123 Your Street

Your City, ST 12345

Overview

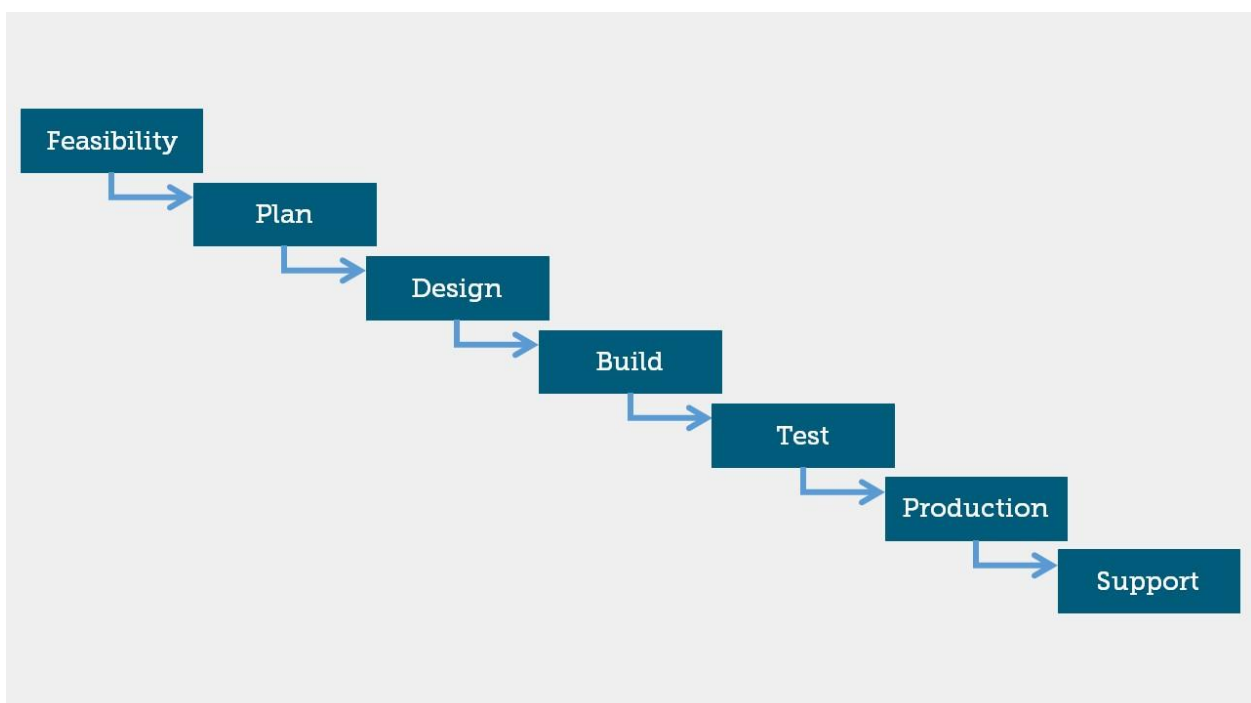
This is a proposal to incorporate CI/CD: **continuous integration/ continuous delivery** in our way of working together as a team in developing the UDASystem.

Goals

1. Benefit of CI/CD in departments
2. Business advantages of adopting CI/CD

Specifications

Human Resource is fundamental to the growth of a business, hence we need a way to manage the resource and take care of the human/employee. As uda people we have separate departments that contribute to the core of our product **The HR System**. While having inter departmental collaboration between the different teams has its advantage with the speed at which we deliver to our clients, it's also fit to take a look at how things work write now as demonstrated in the figure below



Looking at the figure below we see the process being a trickle down process, which has its advantages but lets review the financial constraints that may arise from this kind of way of working.

Delayed feedback

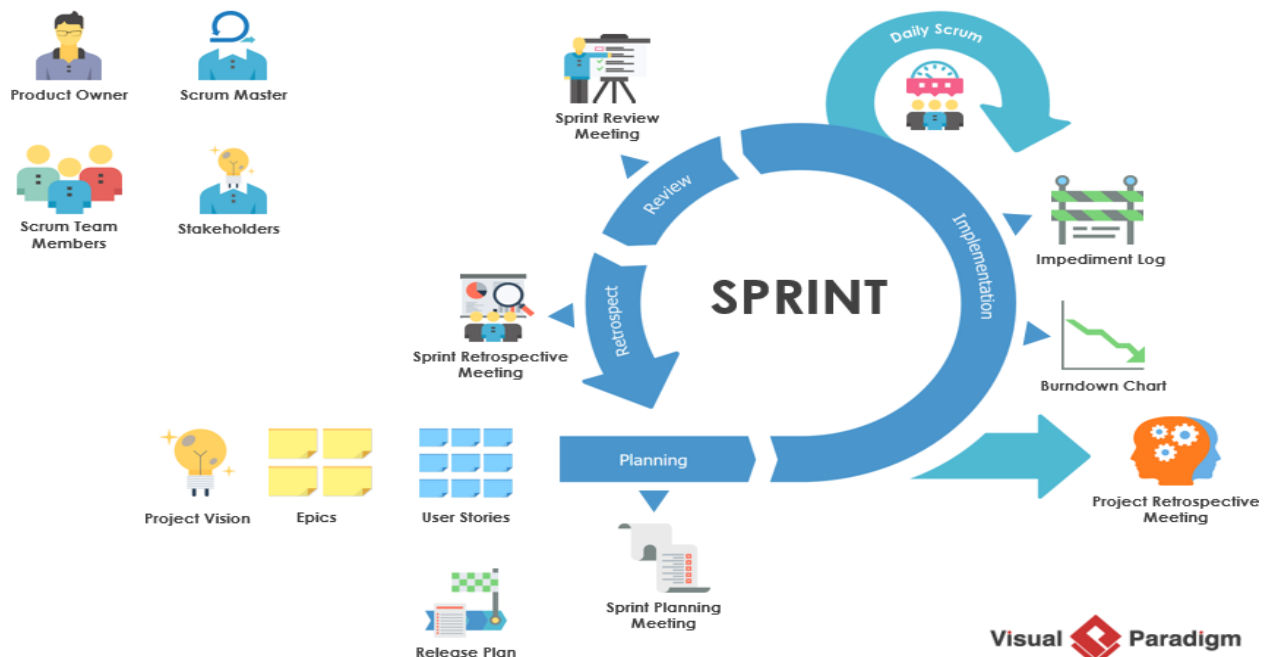
- This may arise from the process of waiting for information to trickle down from person/department. This may appear not to have any significance effect but with delayed feedback, as a team we also suffer delays in the speed at which we release feature to the market which makes us lose a **Revenue generation opportunity**


Delayed reaction Time

- From the stack of stairs and our point above, the room to correct or react to mistakes is rather long as compared to a different system such as Agile. This will create expenses to the business as cost is incurred either in maintaining a good image after an outage of the system or a feature not functioning properly, Thus creating a coast to the business, which on the inverse reduces the Revenue

Proposal

The Agile – Scrum Framework





Looking at the above pain points we can incorporate an **Agile system** of working which in turn has CI/CD incorporated within .

Milestones

I. Revenue Retention and creation

Fast and immediate feedback - Either from a team member or from the product in mind the feedback loop is fast and short hence creating a quick response to outage or ill effects which reduces the cost of production to the business

II. Delivery and Shipping Speed

With increased shipping and delivery speed from the teams, opportunities to create revenue start to appear as from creation to usability in the market is shorted