# CI/CD

# What is Continuous Integration/ Delivery (CI/CD)

- Continuous Integration is the practice of integrating code into a shared repository and building/testing each change automatically, as early as possible - usually several times a day.

- Continuous Delivery adds that the software can be released to production at any time, often by automatically pushing changes to a staging system

# Continuous Integration

- Detects errors as quickly as possible
  - Fix while fresh in your mind
- Reduces integration problems
  - Smaller problems are easier to digest
  - Don't compound problems
- Allows teams to develop faster, with more confidence

# Continuous Delivery

- Ensures that every change to the system is releasable

- Lowers risk of each release - makes releases "boring"

- Delivers value more frequently

- Get fast feedback on what users care about