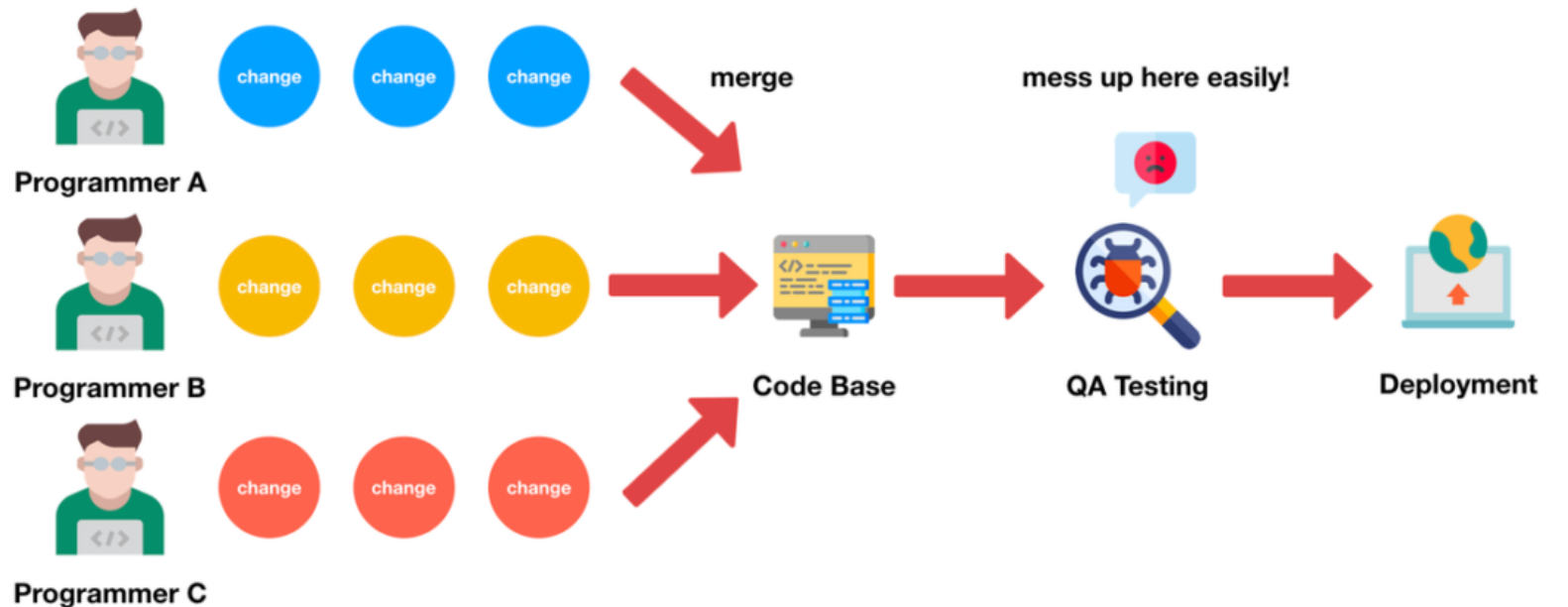# CI/CD

Continuous integration / continuous deployment

Because time is the essence,
I propose a concept that will
definitely speed up the process
of releasing updated versions of
our app

currently our dev team works
hard to plan, add or fix new
features then wait till the
testing team review it and more
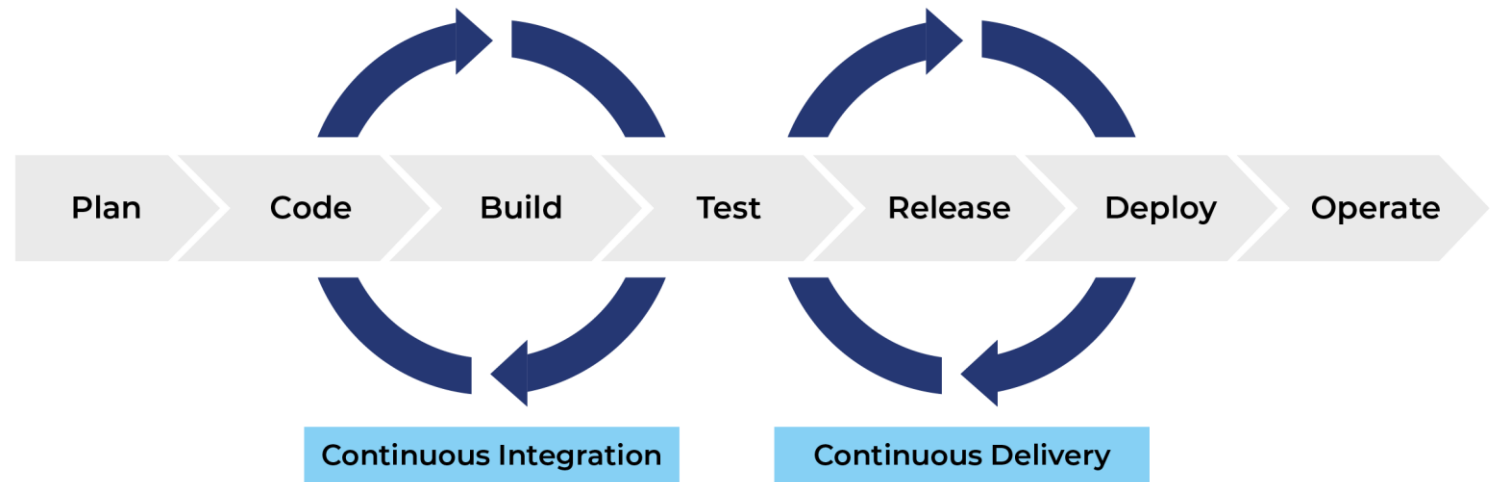waiting to integrate the
changes and features

and we didn't even talk about
the time spent on the
deployment process

Traditional Way

change change change   merge

Programmer A

change change change

Programmer B   Code Base

change change change

Programmer C

mess up here easily!

QA Testing   Deployment

CICD approach provides automation to most of the manual ,time consuming process where it leaves the dev team and the testing team to focus more on the code while CICD takes care of the integration and deployment processes

CICD provides less time to make change on the app where it leads to make more profit and market spread

CI/CD Pros

Results of CI/CD Implementation

78% of software development companies use test automation

42% use CI/CD practices in their development process

40% reduction of the development costs

30x faster code shipping process

Comparisons the old ways with the automated way

Traditional way

- Time consuming

- In worst scenario it can mess up the deployment process causing bad version release

- Too much to handle and can be mess up easily

CI / CD

- Not time consuming where the pipeline handles code-integrations and deploying releases

- Less effort ,more production

- Automation process makes no mistake where humans can mess up

Thank You

Presented by: Mostafa Moaaz