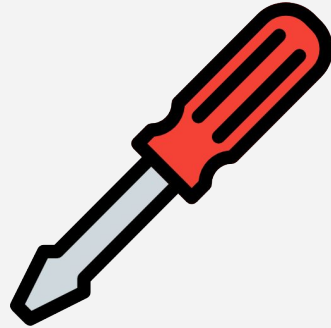
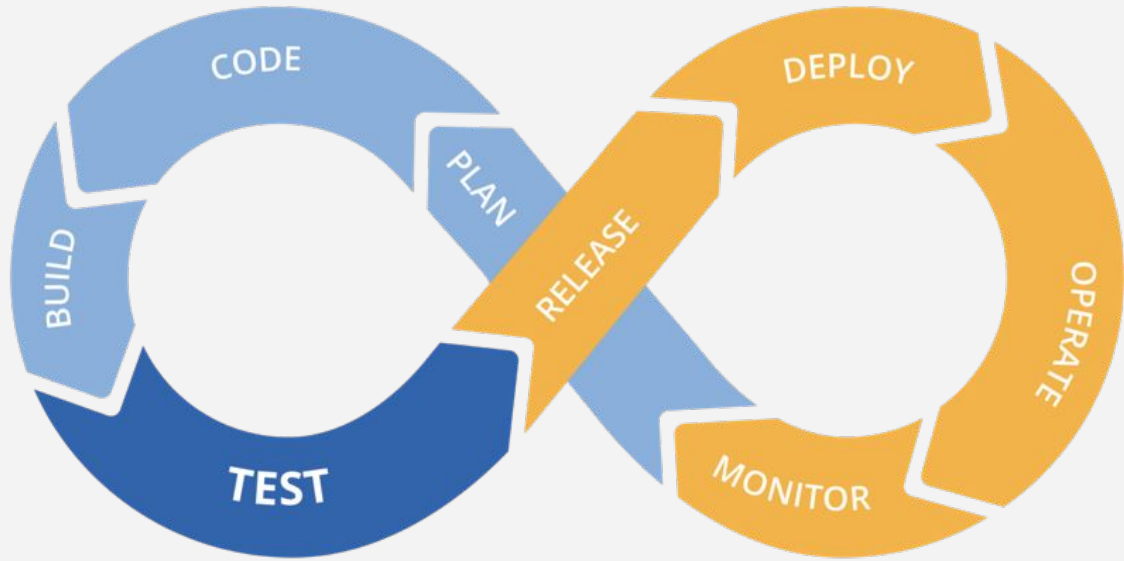


Threading DevOps Practices Through a University Software Engineering Programme

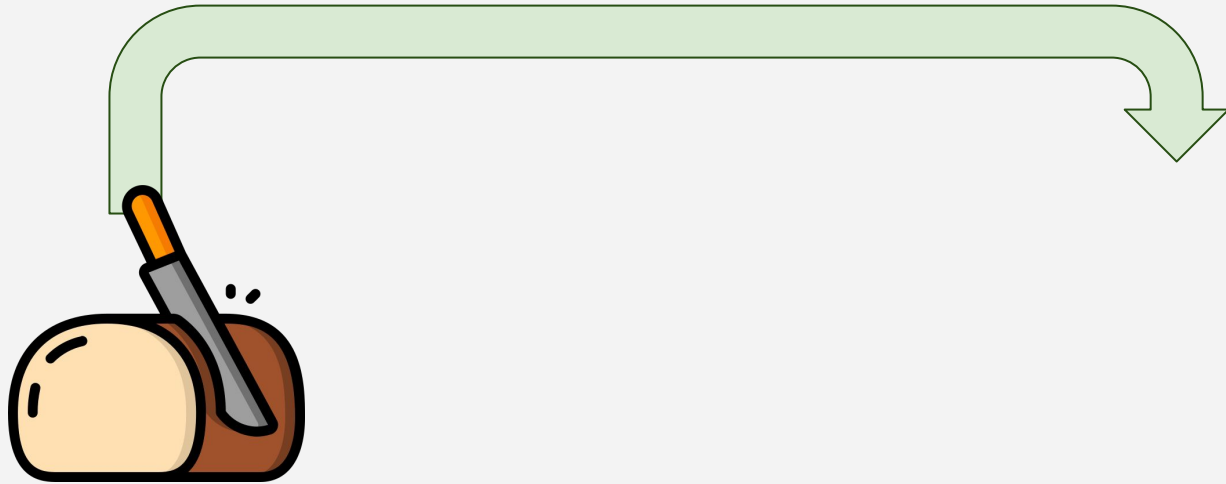
Mr Ivan Procaccini and Dr Robert Chatley
{ip914,rbc}@imperial.ac.uk

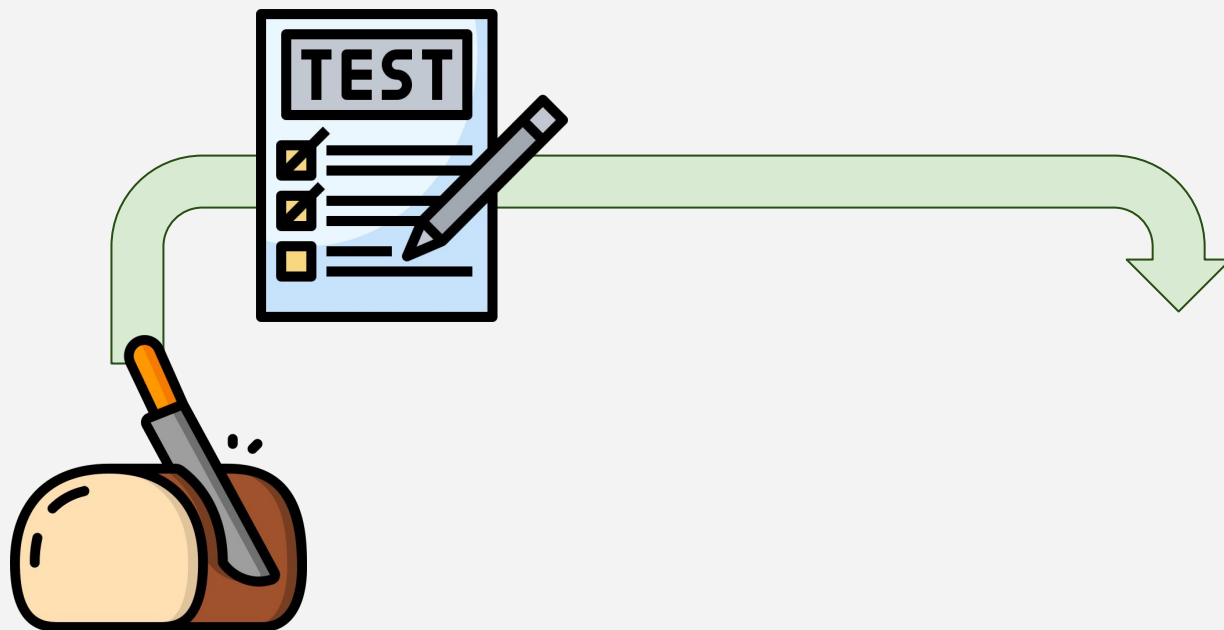


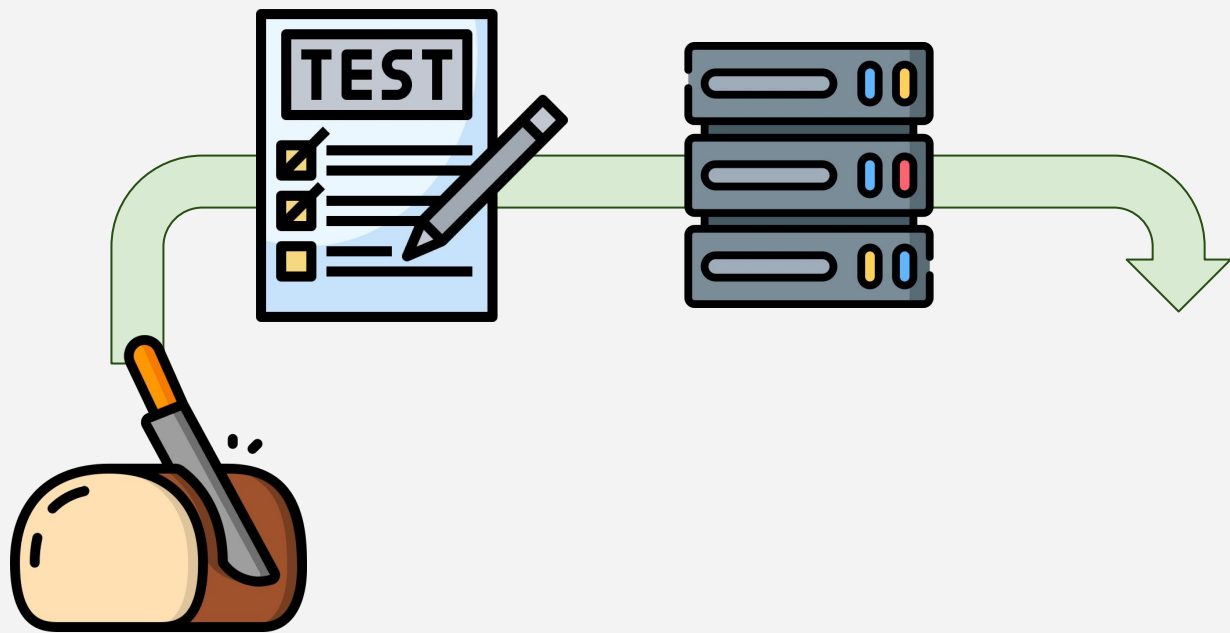


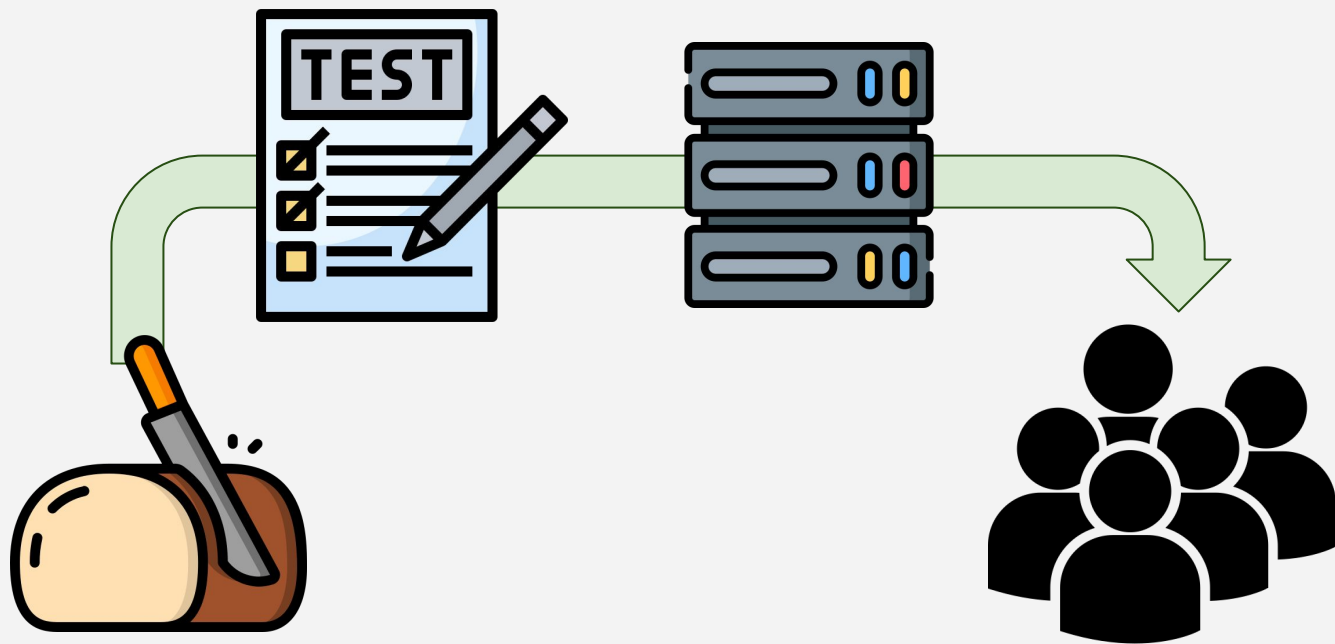




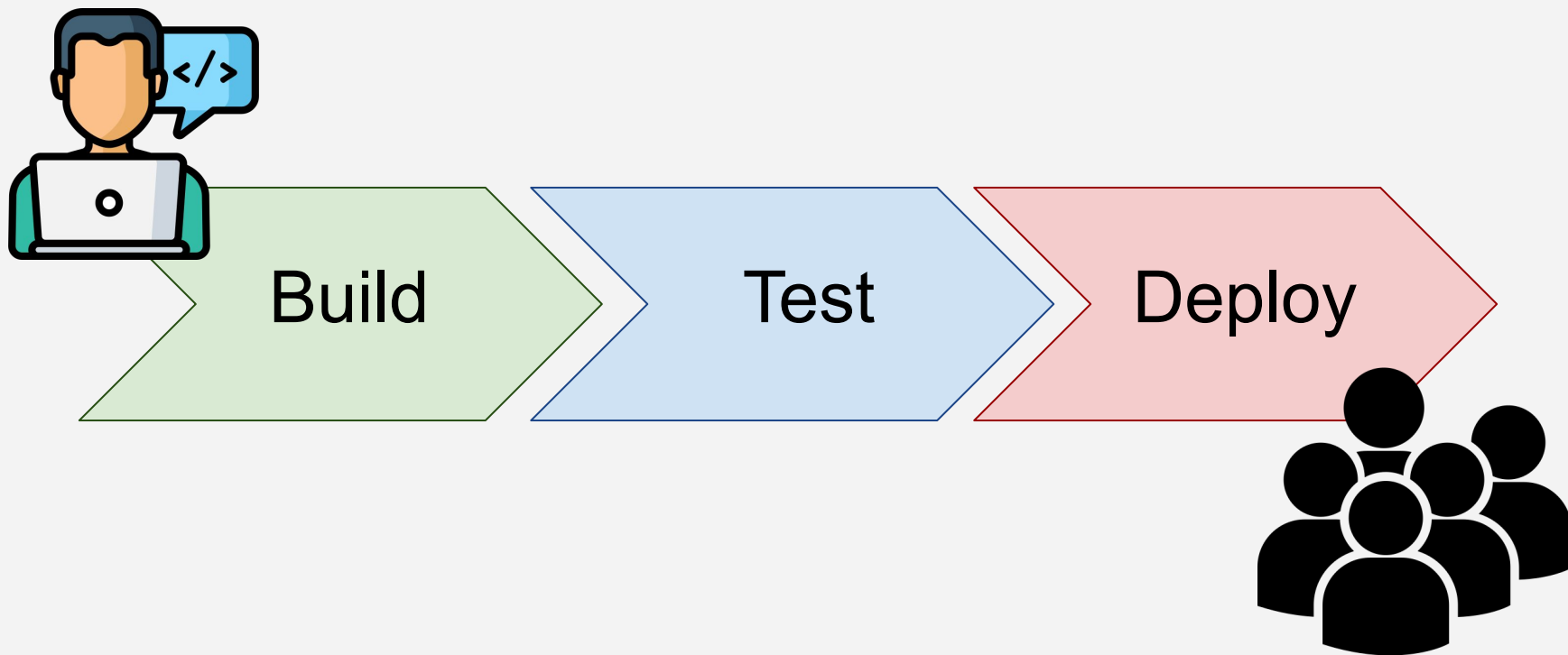




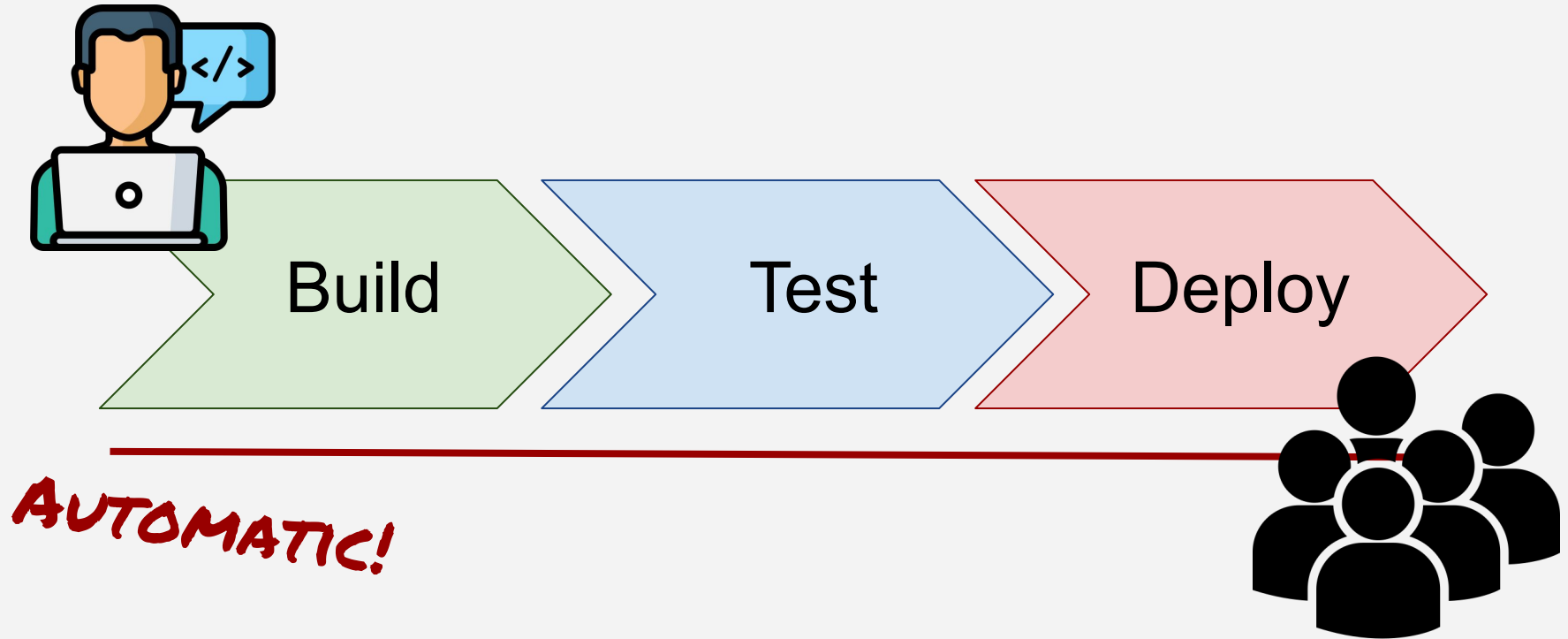




Continuous Delivery



Continuous Deployment





DevOps and Continuous Delivery

CO261 - Second Year Computing Laboratory
Department of Computing
Imperial College London

13th – 17th January 2020

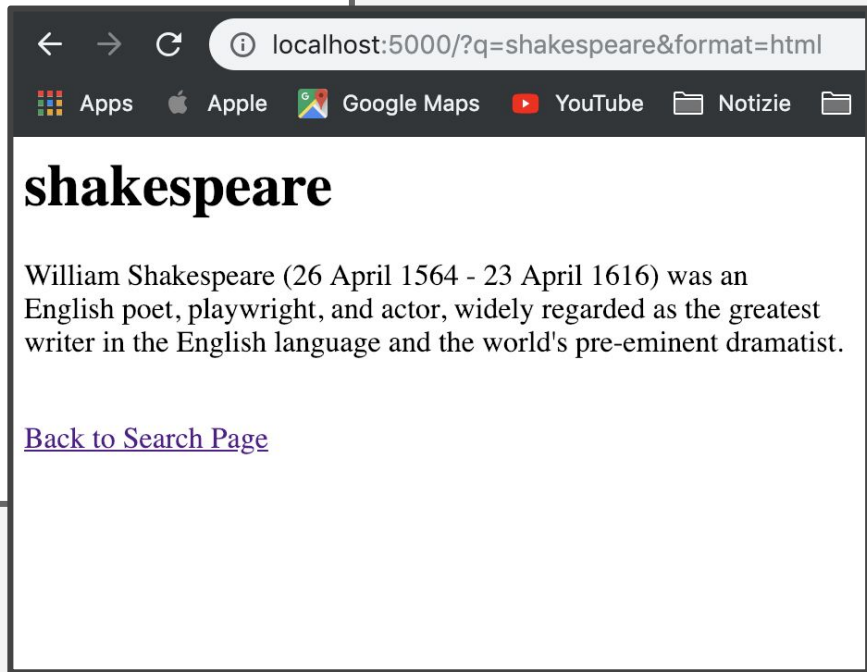
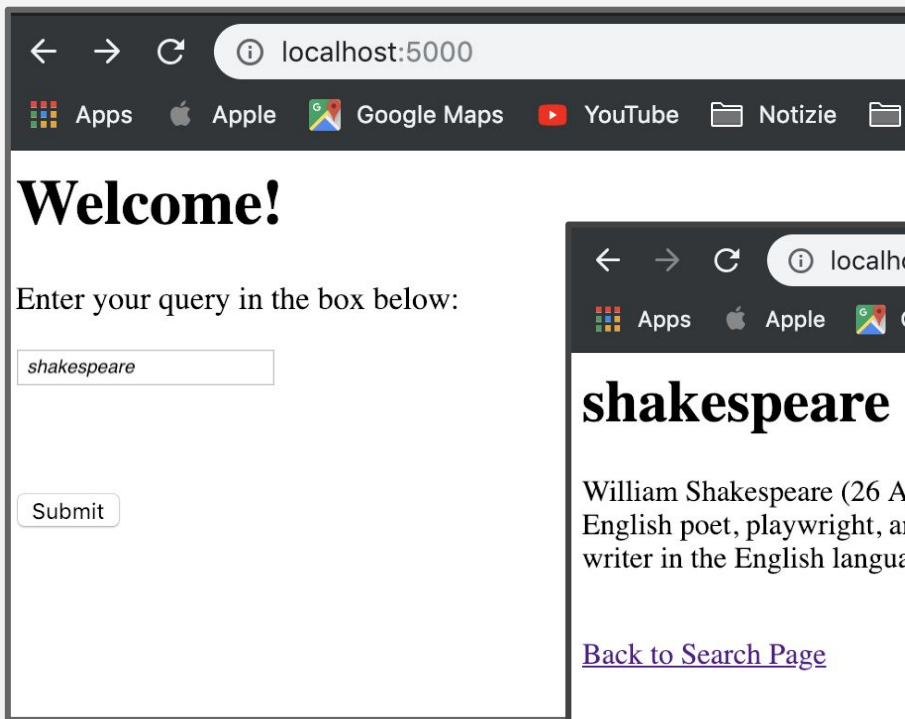
*For this laboratory exercise, you should work in **groups of 4 people**.*

Aims

- To gain knowledge of and experience with *Continuous Delivery* pipelines;
- To experiment with some popular DevOps tools, like GitLabCI, Heroku and Docker;
- To gain some familiarity with system administration tasks.

A (flash) Introduction to DevOps and Continuous Delivery

In order to make sense of this assignment and its importance, let's try to understand what DevOps and Continuous Delivery actually mean, and how they relate to one another.

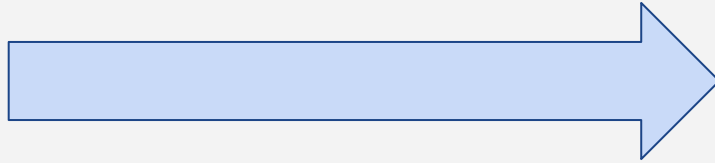


Stage 1

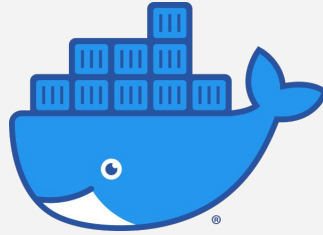


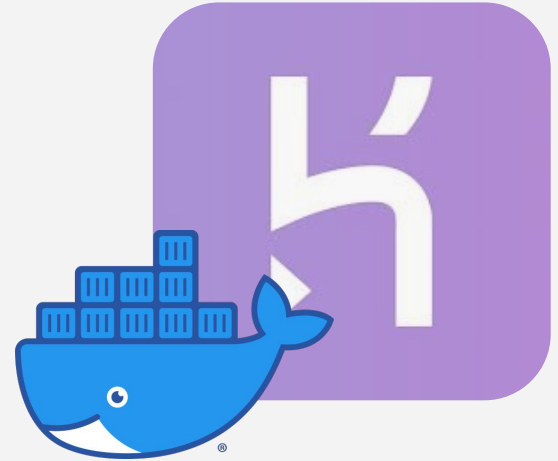
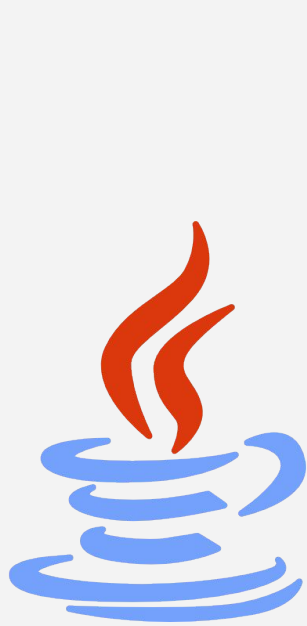
DoC

Stage 2



Stage 3





- 1 week, groups of 4
- 3 x 2h support sessions
- 20min interactive review assessment

TEST →

DEPLOY →

422cbad6

d9f8e0aa

4f52ed2a

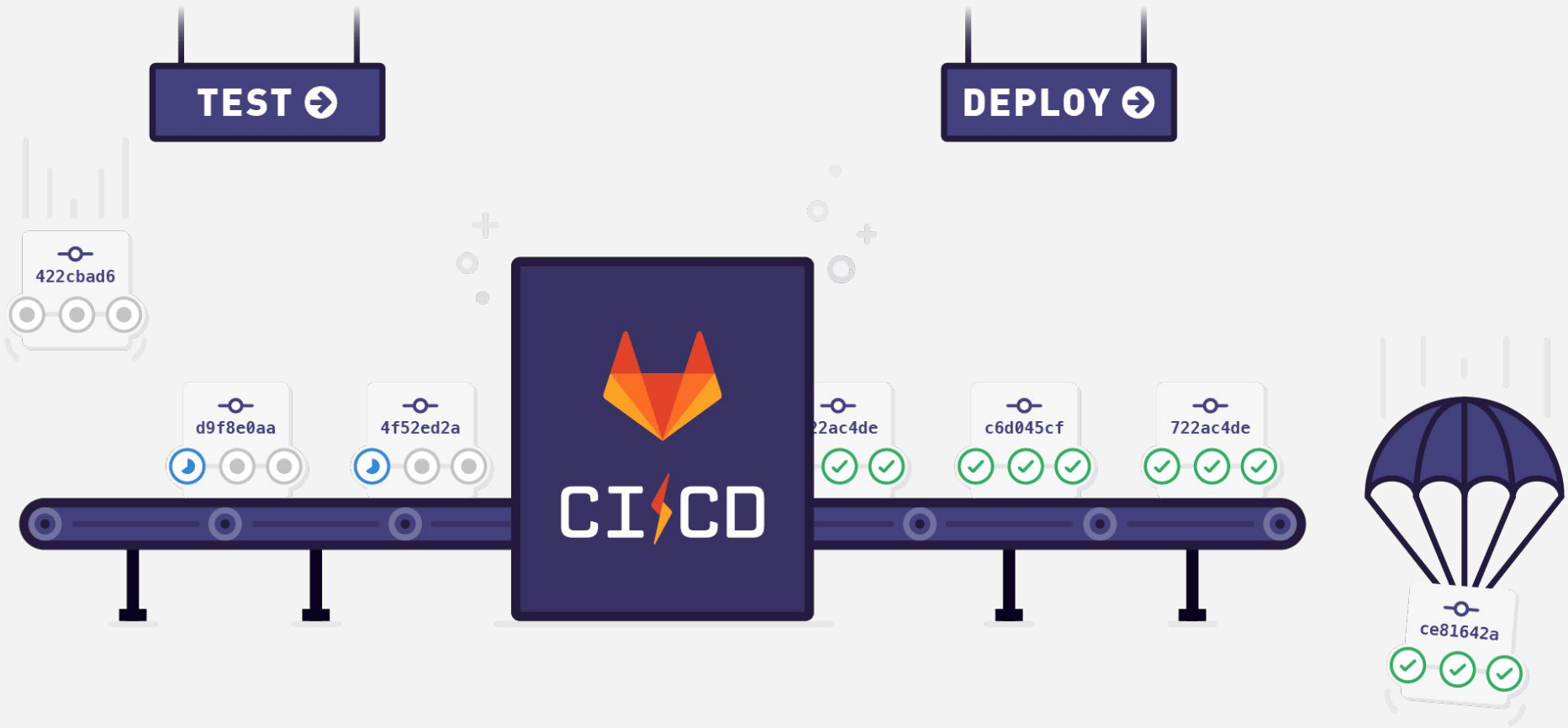
CI CD

22ac4de

c6d045cf

722ac4de

ce81642a





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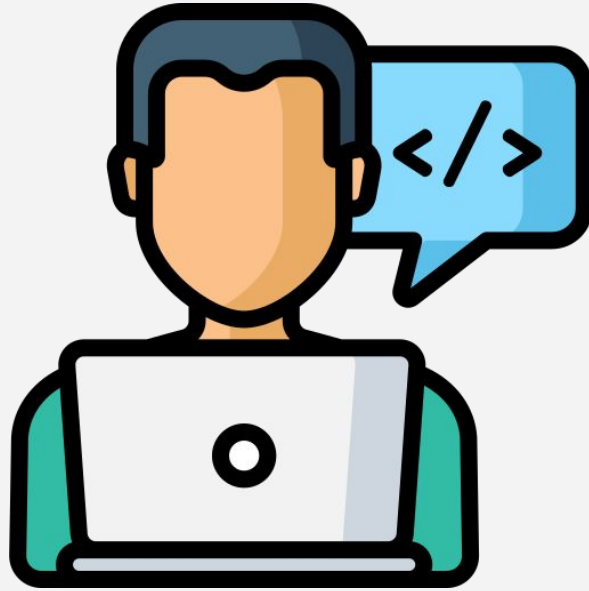
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Thank you!