Project Two

Todo List

by Ian Petts

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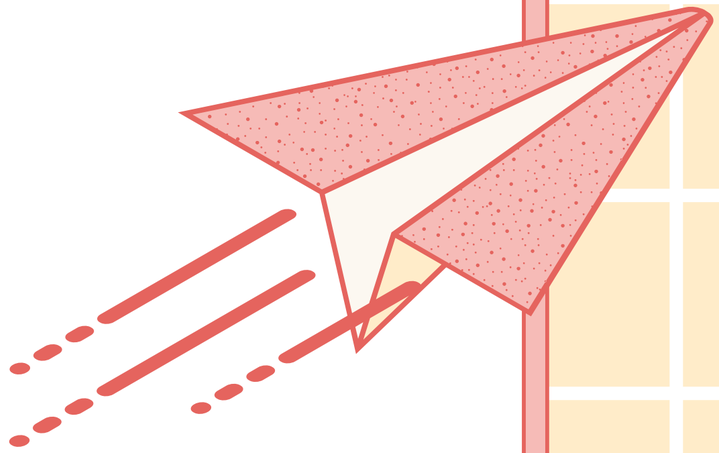
Topics Covered

- Intro & Journey
- CI
- Testing
- Demo
- Sprint
- Conslusion

Hello, my name is Ian

My second project encapsulates all the different skills I've learnt so far at the QA Academy.

- Project Management
- Git & GitHub
- MySQL
- Java
- HTML, CSS & JavaScript
- Testing...

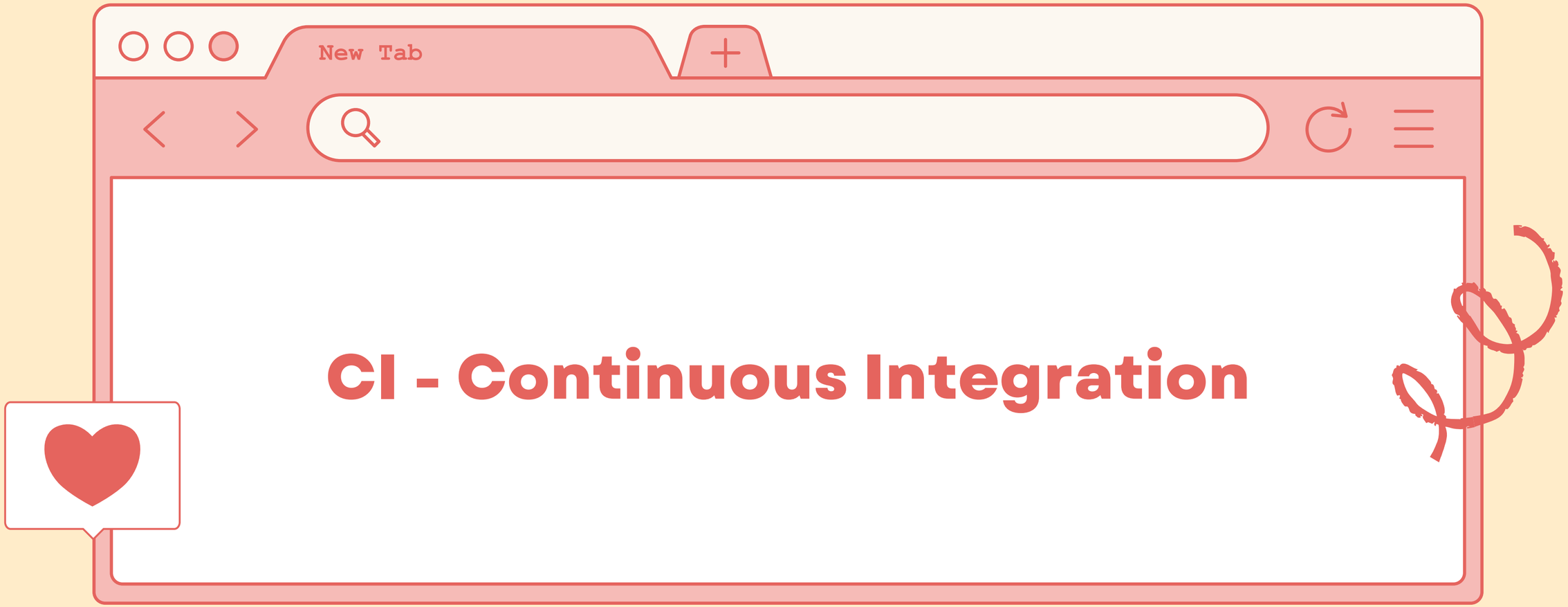


		SEVERITY				
		Minimal	Minor	Moderate	Major	Severe
LIKELIHOOD	Guaranteed	5	10	15	20	25
	Expected	4	8	12	16	20
	Likely	3	6	9	12	15
	Possible	2	4	6	8	10
	Unlikely	1	2	3	4	5

	Risk	Statement	Response	Objective	Likelihood	Impact	Risk Level
1	Team Absence	Sickness or Holiday	Sickness Unavoidable / Book holidays at different times	Make sure enough staff to cover work load over absences	Likely	Minor	6
2	Strain injuries	Working for too long may induce strain injury	Get up, move around and take breaks	Maintain a reasonable level of comfort while working	Expected	Minimal	4
3	Loss of work	Work lost due to computer failure or forgetting to save	Make regular commits to git locally and remotely.	Minimise amount of work lost	Possible	Moderate	6
4	Time & Schedule Mismanagement	Working for too long on low priority tasks, adding over complicated and unnecessary functionality.	Stick to schedule where possible and assign weighted times to individual tasks.	Create the Minimum Viable Product (MVP) as requested by the client and complete within time frame.	Likely	Moderate	9
5	Data Breach / Protection	Information stored in online database must meet UK Laws and may be vulnerable to hackers	Keep passwords secure, make repositories and DBs private, keep dependencies uptodate, check Data Protection Laws	Minimise potential for a data break or incorrectly stored data.	Possible	Severe	10
6	SQL Injection	SQL Injection is a common form of Cyber Attack	Use data sanitisation to minimise the risk of SQL Injection	Keep data secure	Likely	Severe	15
7	File Corruption	Files become corrupted, work lost.	Make regular commits to git locally and remotely.	To not lose work or only lose minimal work	Possible	Severe	10
8	Burn Out	Working too long hours can cause burnout, requiring absense	Take regular breaks and only work set hours	Taking breaks can improve the overall quality of work and help refocus if problems arrise.	Possible	Severe	10
9	Lack of Knowledge / Skills	Lack of technical skills required to complete the task.	Take time to learn these new skills even if project might be delayed	Learn skill via books and online resources. Also ask for help.	Expected	Major	16

MoSCoW

M - Must	S - Should	C - Could	W - Will Not Have
Use GIT - Main / Dev / Feature	Testing - 80% Test Coverage	Cloud Database	Login Functionality
Project Management Board	ERD	Refactor Code	
Risk Assessment	Meet MVP		
A Relational Database (MySQL)	Multiple Entities		
Functional Back End Application			
Functional Front End Application			



CI - Continuous Integration

Git - Local Repo
GitHub - Remote Repo

I used Git to track changes through my project.

- Main, Dev & Feature

- Messed this up again!!!

Video Viewer

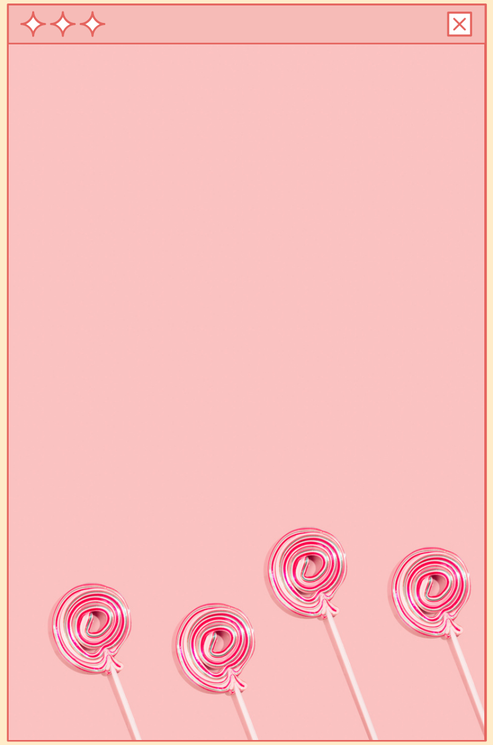
1080px(W) 1920px(H)

Testing

I attempted to test all of my code to get as much coverage as possible.

I need to spend time and revisit testing!

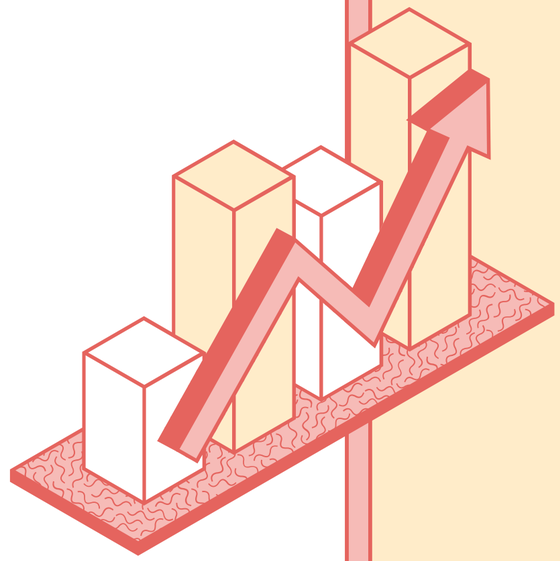
watch_this.mp4



Unit Testing
JUnit

Integration Test
Mockito

DEMO



Sprint Review & Retrospective

Completed ?

What did I Do!

Incomplete ?

What didn't I Do!

Retrospective

What could be improved?

Conclusion

E is for Entities

S is for Spring

J is for Jira

G is for Git

T is for Testing

E is for ErrorHandling

Thank you!

and Questions ???