



SRILU BALLA

PRODUCT OWNER IN TEST

PACIFIC NW SOFTWARE
QUALITY
CONFERENCE

THE FUTURE IS NOW
PNSQC.ORG **OCTOBER 14-16 2024**

WAIT FOR IT



Product Owner



Scrum Master



Scrum Team

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What is Testing?

CHECKING = PASS / FAIL

CHECKING != TESTING

Testing = HOW DOES IT WORK?



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Quality Control != Quality Assurance

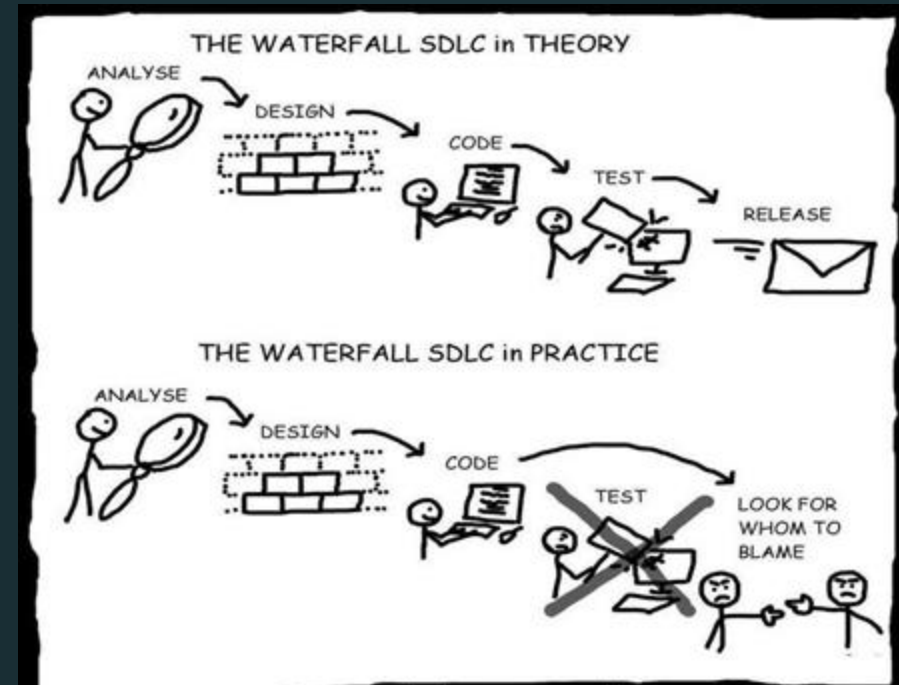
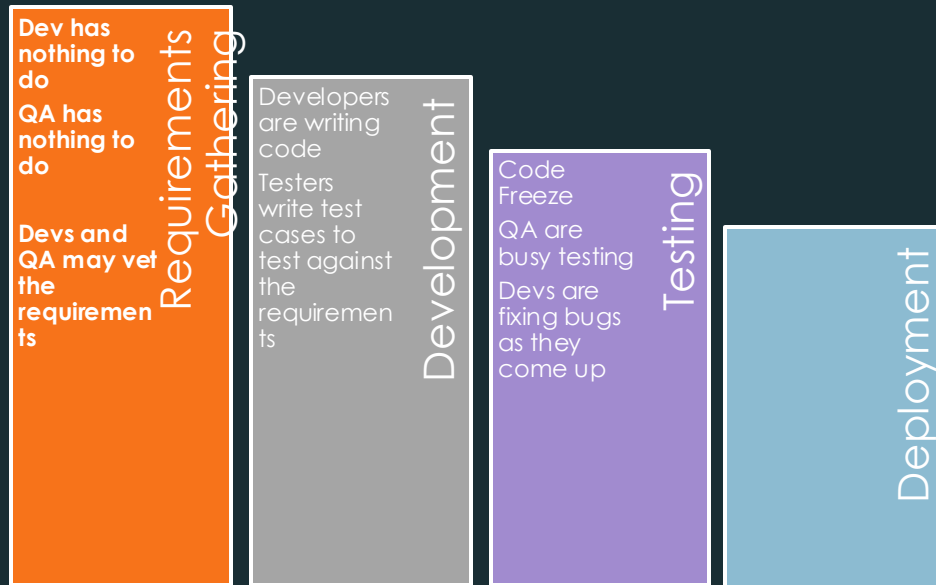


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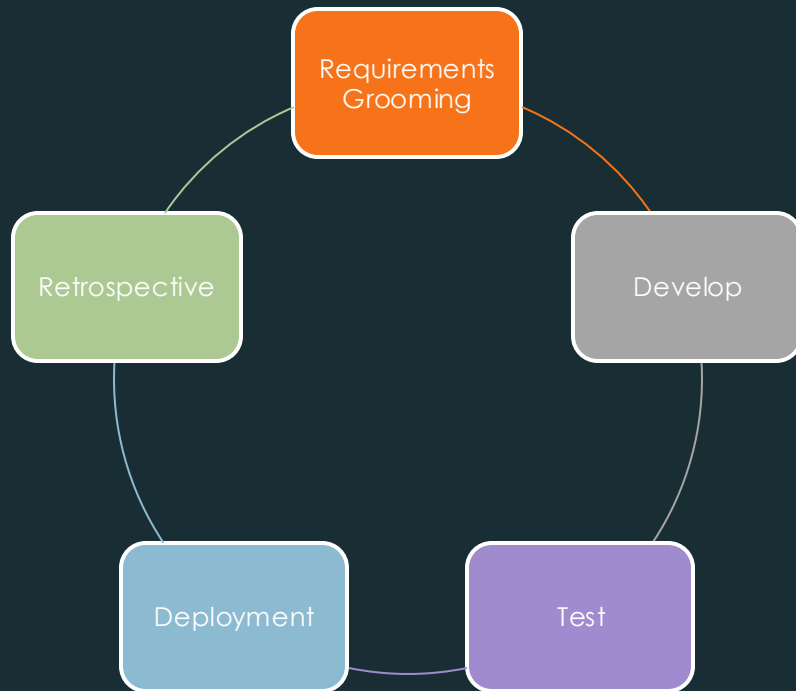
QA in Waterfall



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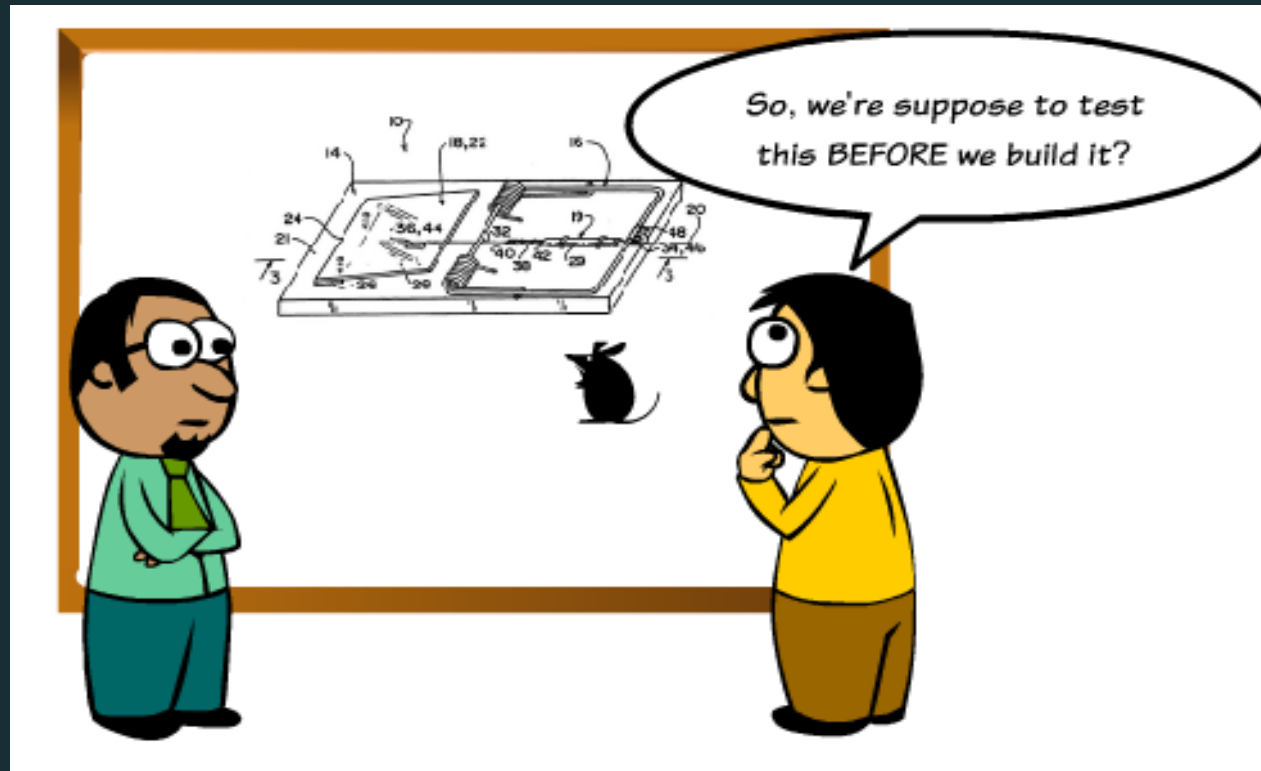
QA in Agile



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Testing a Requirement



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Product Life

Product Life Cycle



Introduction



Growth & Maturity

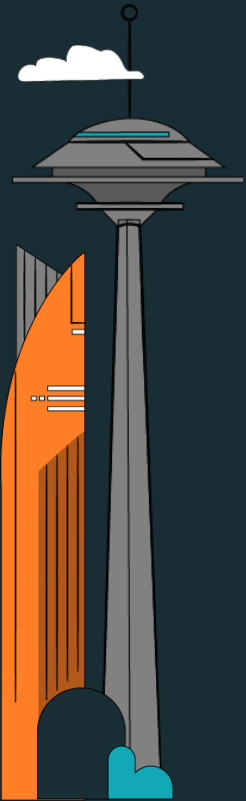


Decline

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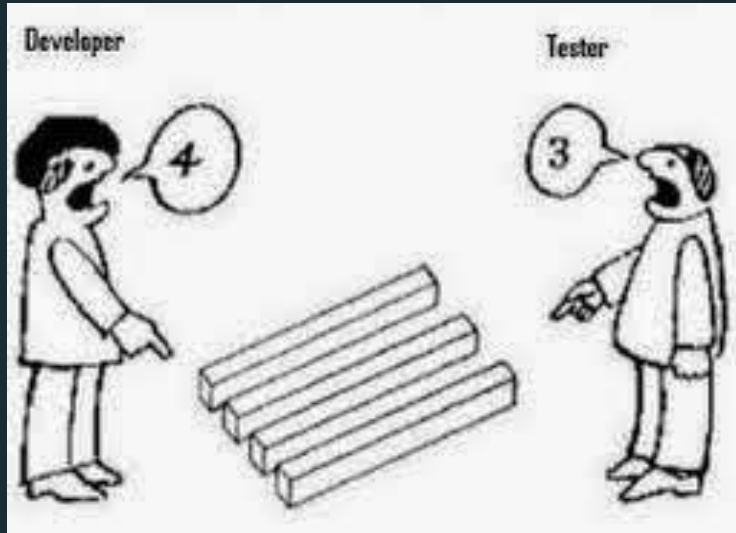
Requirement to Product



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When I log a BUG



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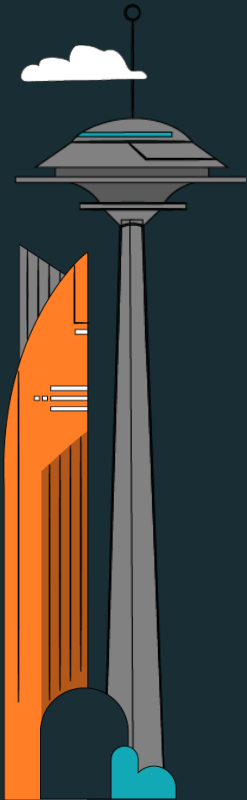
I LOVE / ~~HATE~~ BUGS

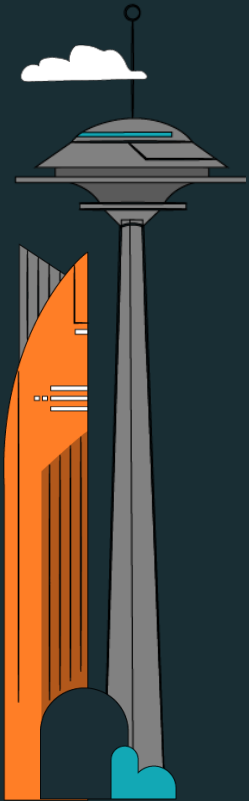


- REQUIREMENT
- REQUIREMENT
- REQUIREMENT

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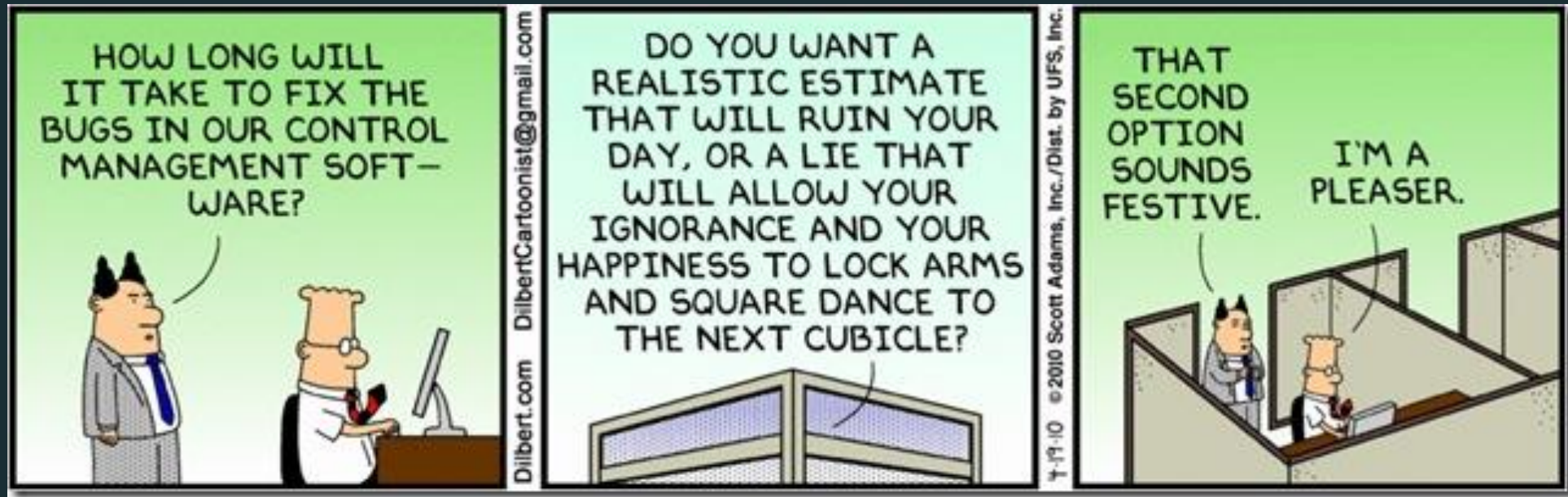


My Experiences

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New Projects Over Fixing Issues



They do not know how to use QA

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Beyond Bug Catching



QA is bug catcher and Scape Goat

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Sprints and miss



Scrum is not doing us any favors

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Dud QA



Do not hire non-tech people as QA

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Acceptance Criteria is the King



Don't argue with idiots

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No Bugs No Job



We are not octopus

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Automated testing is Oxymoron



Sell what they want to get the job

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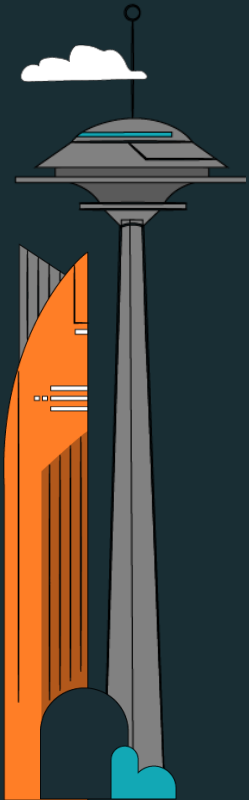
Recap

Bug catchers
Scapegoats
Final Step in the process

Automation Overreliance
Process Confusion

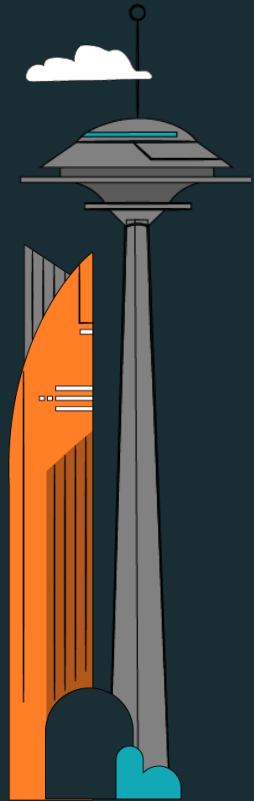
Agile Challenges
Limited Scope
Lack of empowerment

Lack of Standardization



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World Experiences we did not learn from

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Google's Gemini and AI

Do not
Skip
common
sense
testing

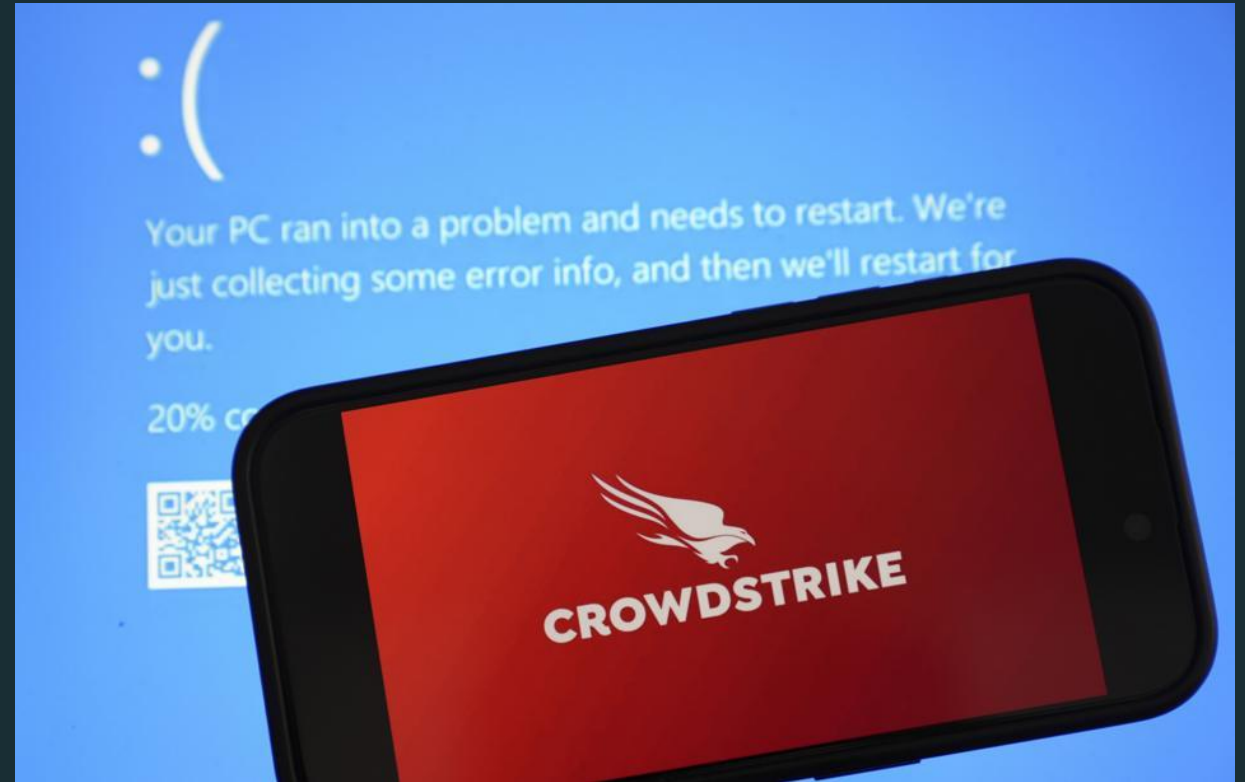
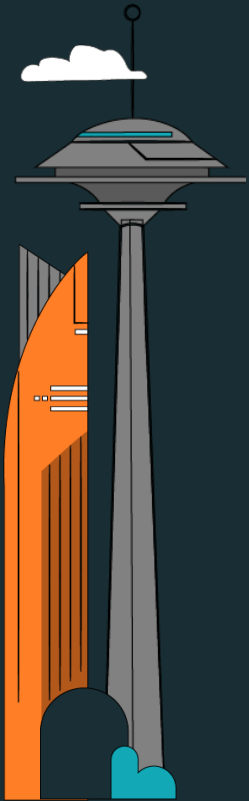


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Microsoft CrowdStrike

Security should not be prioritized over projects



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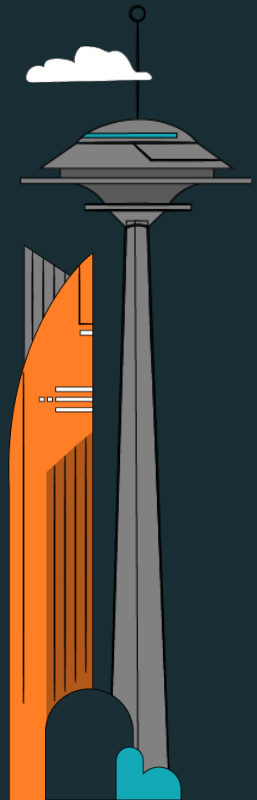
NASA's Mars Polar Lander



Test the whole damn thing

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The Galaxy Note 7

Don't be in
such a hurry



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Tesla CyberTruck

Know your
product
before
boasting

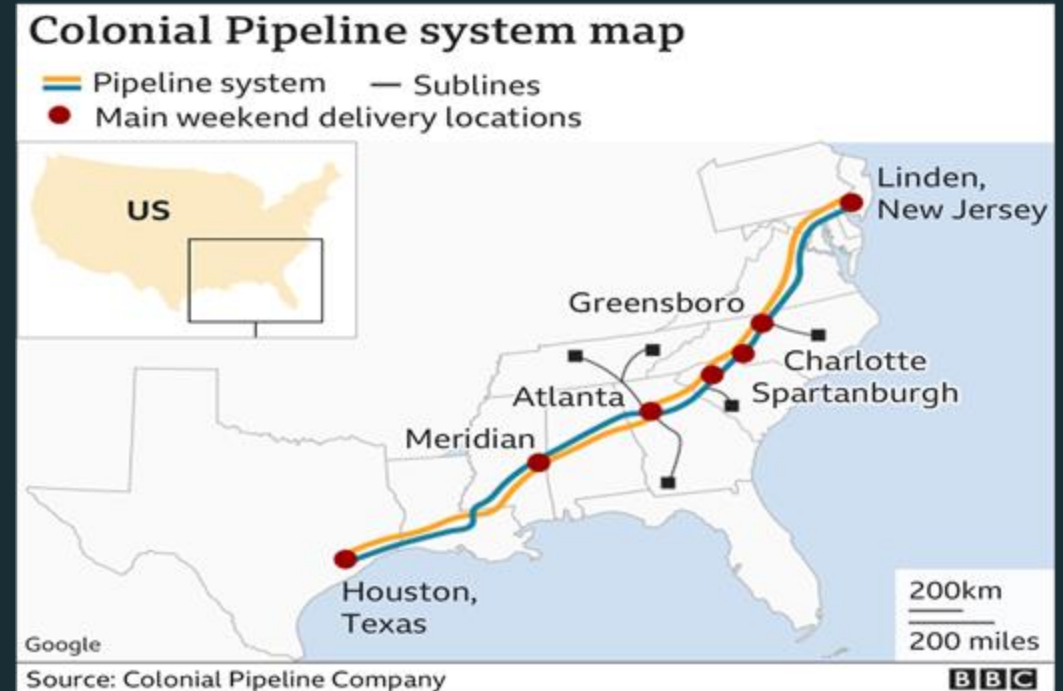
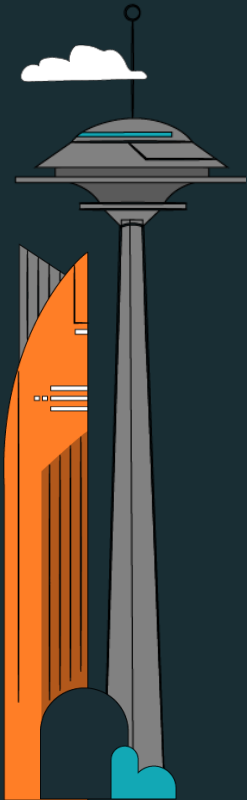


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The Colonial Pipeline

Working product does not mean, responsibility is done



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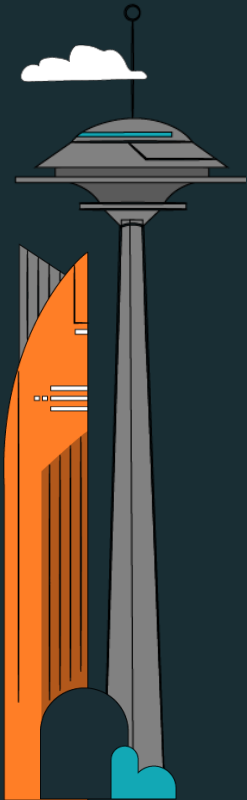
Nothing but testing

Product Owner in Test (POT)



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Qualifications



Five years as QA / SDET / Developer



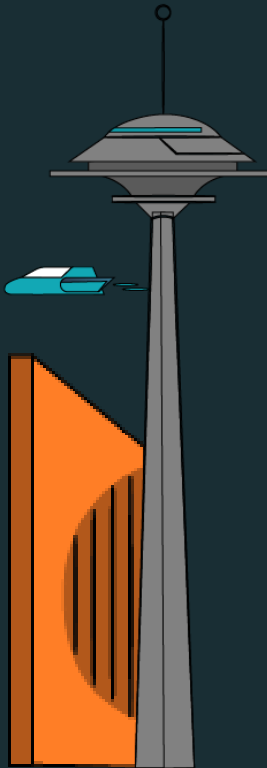
Programming knowledge



Demonstrate how the software works



Document how the software works.



POT: Areas of Responsibility



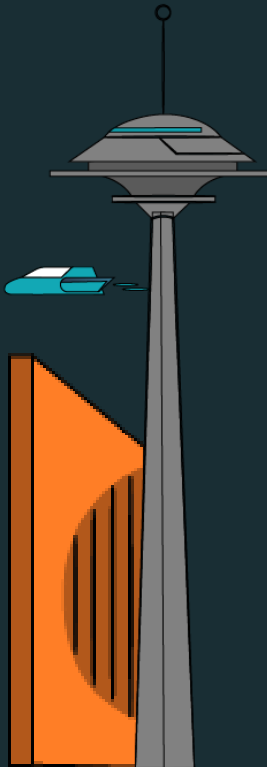
Product



Production Release



Organization



Product



Test the product



Document the product



Demonstrate the product



Recommending more exploration



Delegate tasks



Other Tests

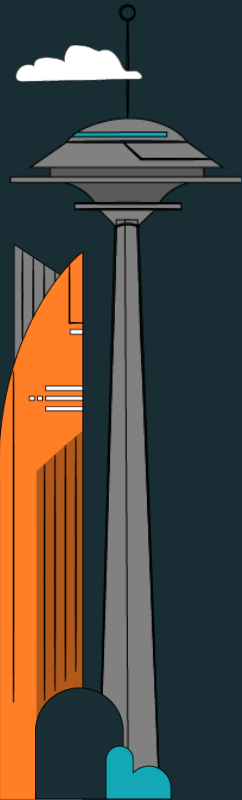


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Entry Criteria for Testing



Access to Product

Walk through the code

Overview of the product

Access to the DB / APIs

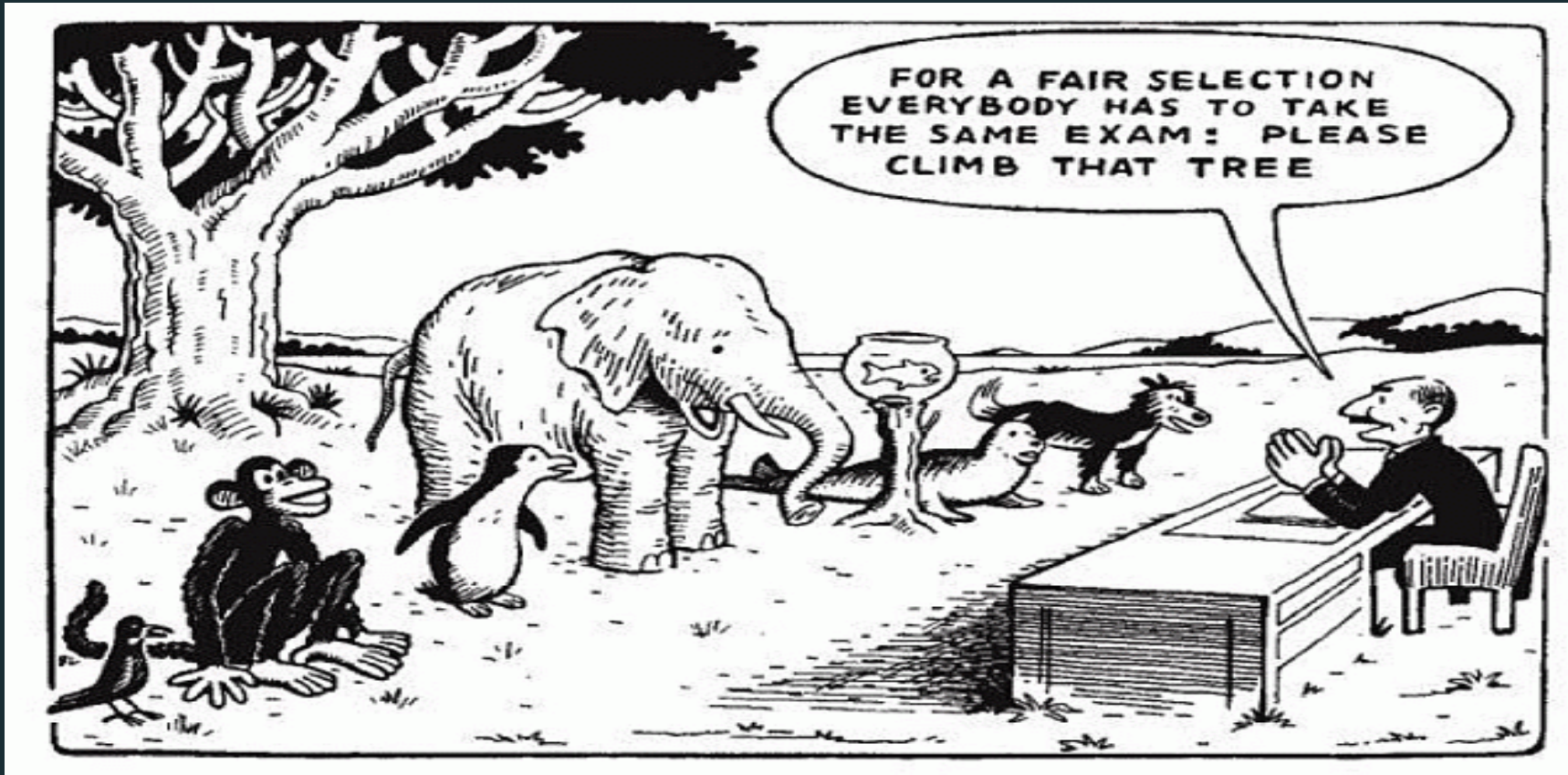
List of services

Provisioned user

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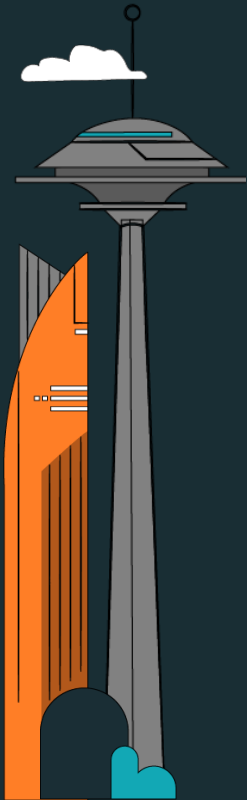
TESTING



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Documenting



Check Cases



Issues

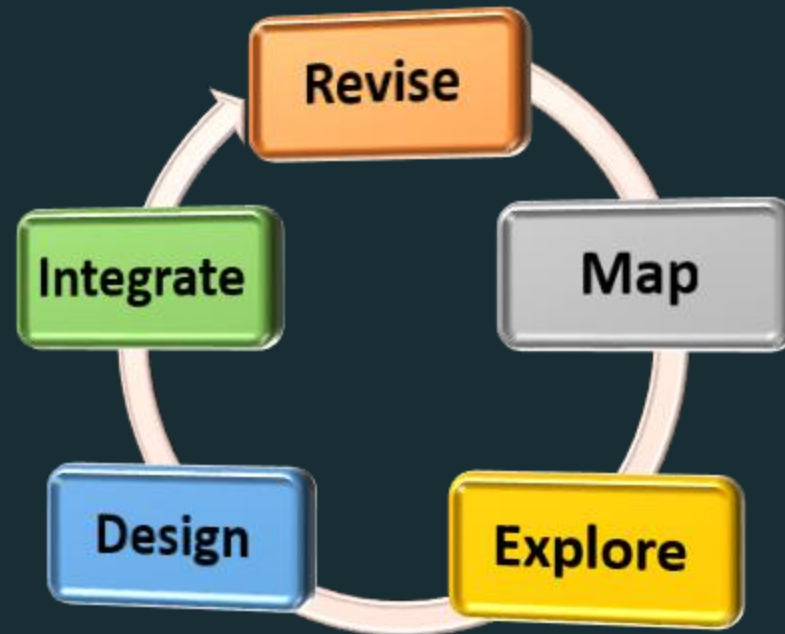
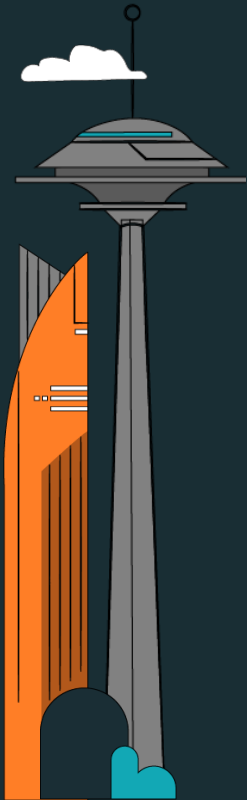


Wikis

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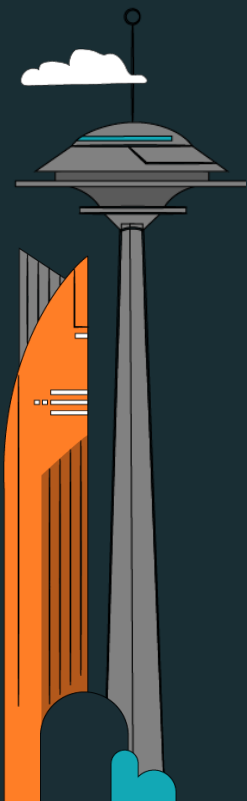
Product based Check Cases



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Issues are Opportunities to Improve

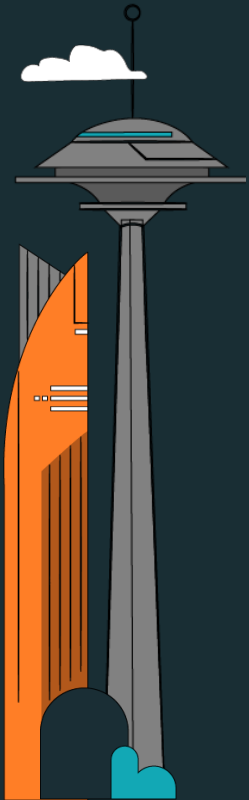
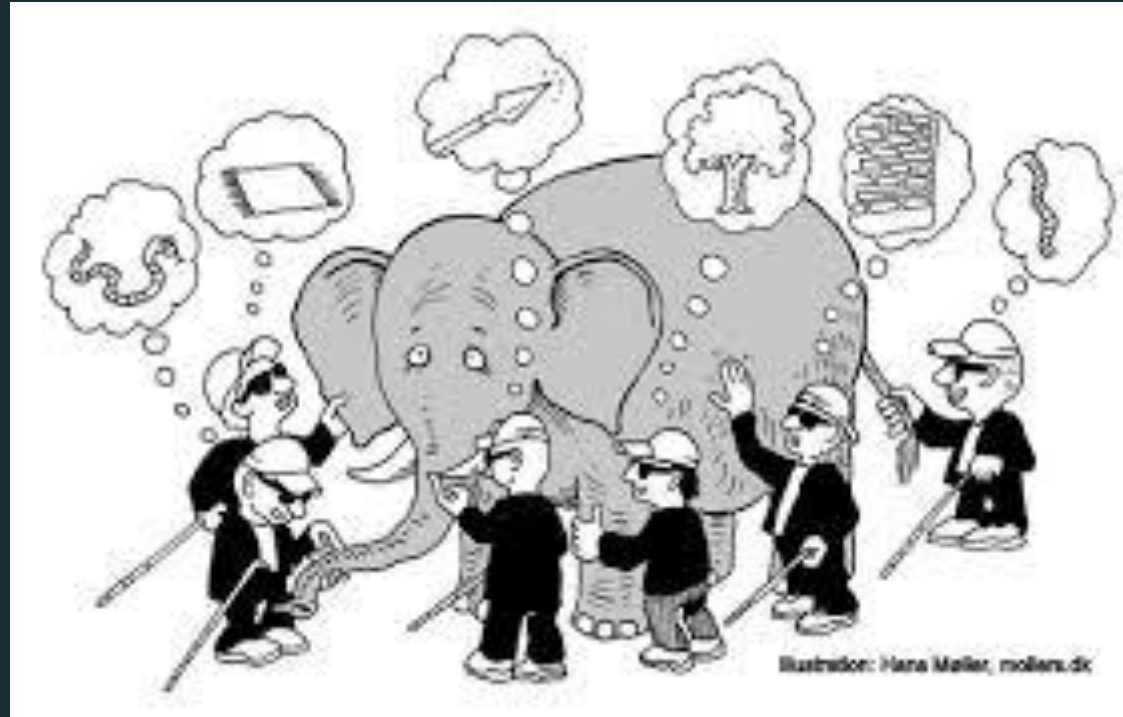


		IMPACT				
Priority		Minor	Average	Major	Critical	Blocker
UI Browser	Low	Low	Low	Low	Medium	Medium
UI Across	Low	Low	Low	Medium	Medium	Medium
Data	Low	Low	Medium	Medium	Medium	High
UX	Medium	Medium	Medium	Medium	High	High
Functionality	Medium	Medium	High	High	High	High

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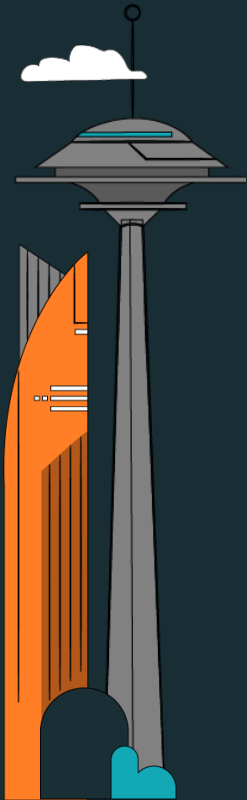
POT Product Demo



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Extra Tasks



Recommend more testing

Unit tests, security testing, etc.



Functional / Performance tests



Delegate tasks for larger products

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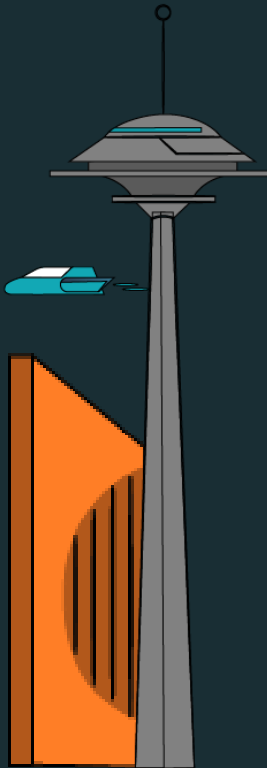
PRODUCT OWNER IN TEST

POT = 1 Product

1 POT has fully responsible for the product

1 POT may test multiple products

2 POTs may not share the responsibility for one product



Organization

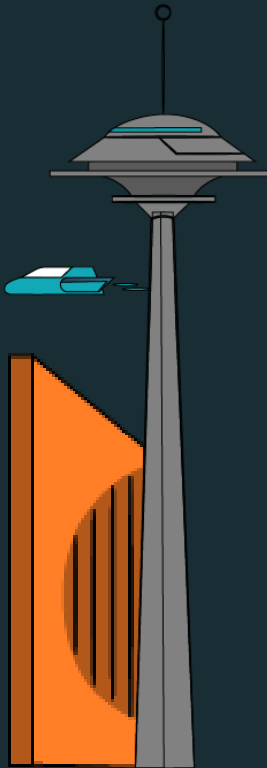
Production
Data

Standardize
General
Features

Standardize
Lower
Environments

Standardize
Releases

Generalize
MVP 1
requirements



Production Data



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STANDARDIZE FEATURES

Email, password criteria

Authentication Process

Common features

Integrating modules

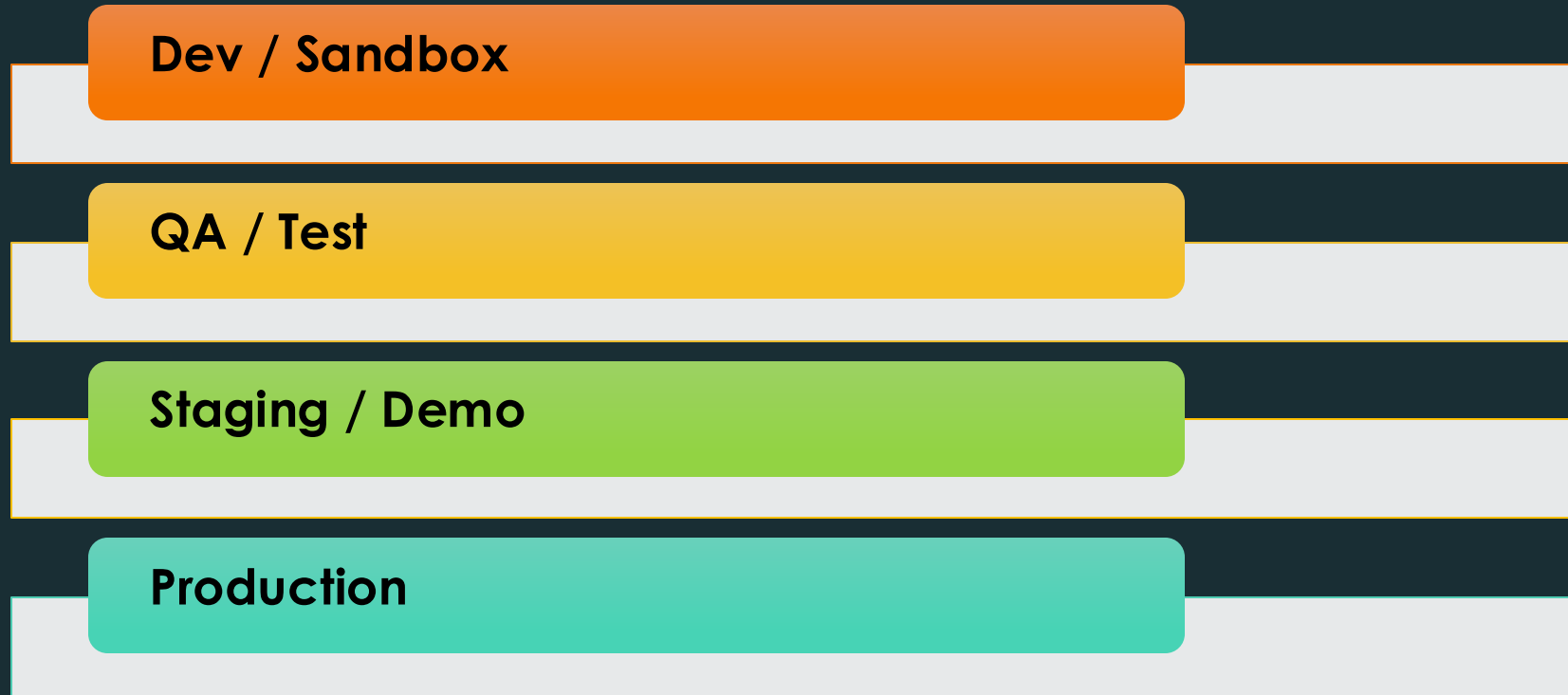
Other as needed based on the org

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STANDARDIZE LOWER ENVIRONMENTS



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STANDARDIZE RELEASES

Naming of Releases

Consistent timings

Code Freeze

Pre-release sign off agreement

Post-release sign off verification



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Suggest MVP 1 requirements

Dedicated suitable servers

Suitable DBs

API integration options / needs

Lower env with DB and integrations

Non-Functional Requirements



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Not responsibilities of POT

Not a Bug finder

Not Acceptance Criteria Checker

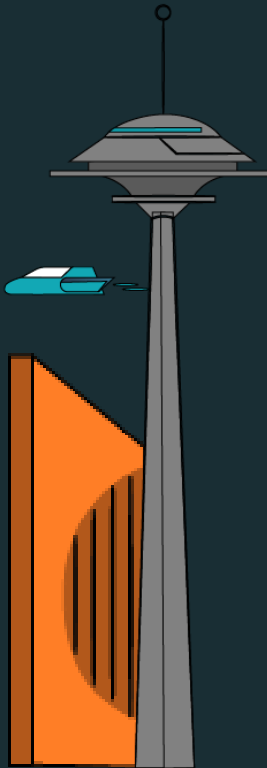
Not responsible for the overall quality of the product

Not a decision-maker for the product

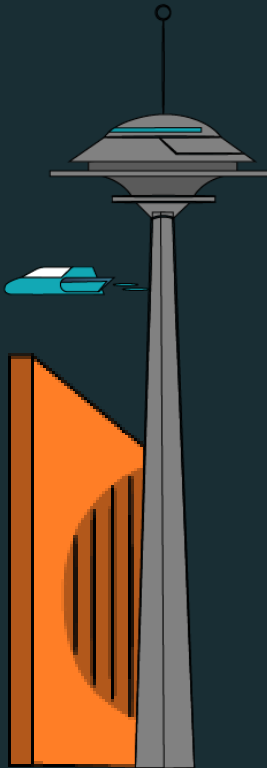
Not gatekeeper of releases

Not domain expert

Not QA Manager



Why should Companies care about POT



Q & A



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THANK
YOU



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