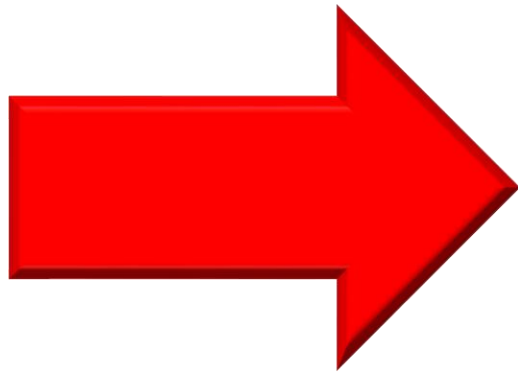


Creating a test approach

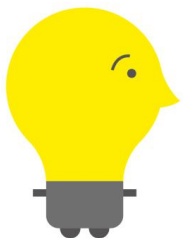
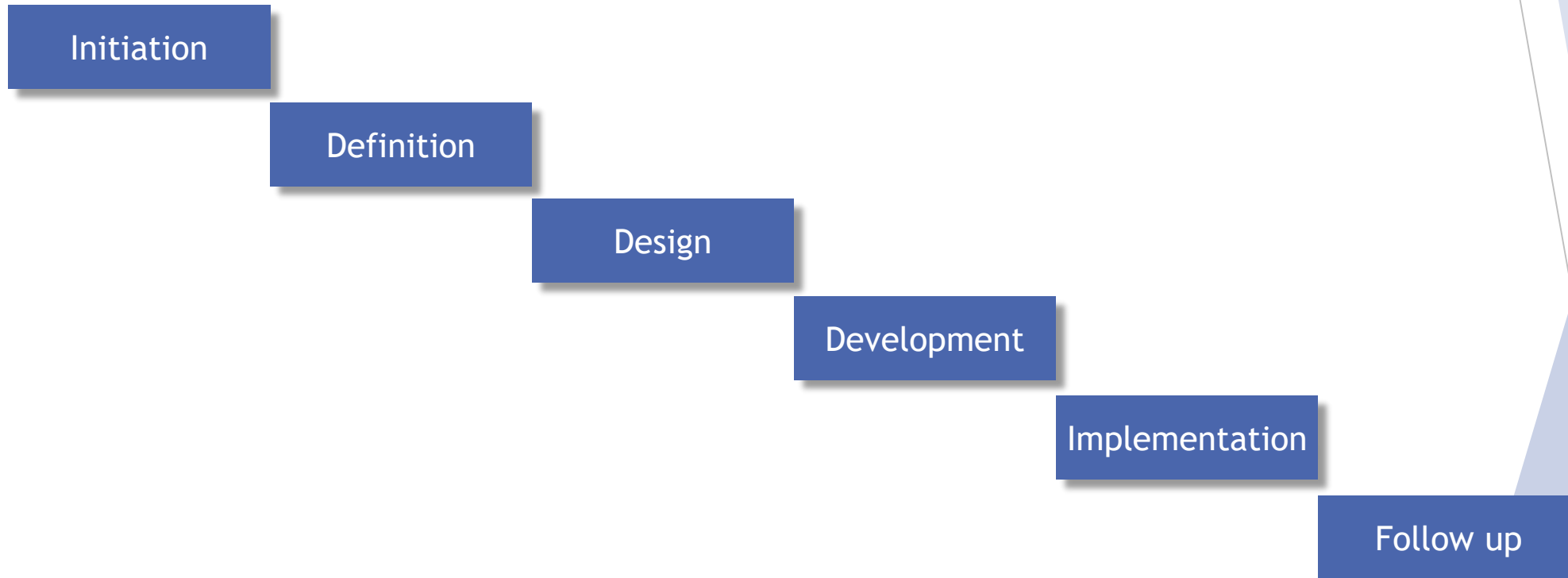
Steve Portch

steve.portch@tsgconsulting.co.uk

Actually, it's this
dummy's guide to
creating a test
approach...



When should we start planning testing?



Get involved with the project at initiation - it's the best time for planning

A typical test plan

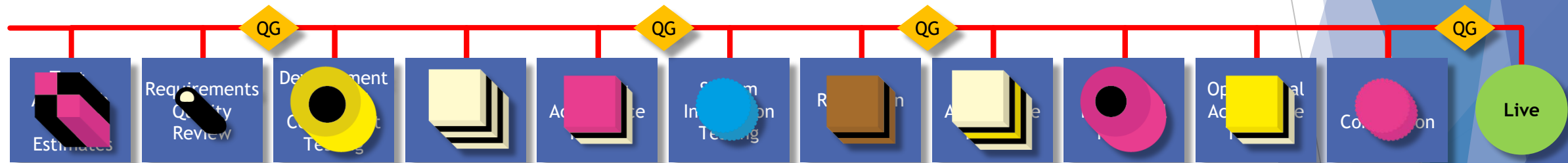
- ▶ INTRODUCTION
- ▶ PROJECT OVERVIEW
- ▶ PURPOSE OF DOCUMENT
- ▶ PROJECT TEST APPROACH
- ▶ TESTING QUALITY GATES
- ▶ IN SCOPE
- ▶ OUT OF SCOPE
- ▶ TEST ENVIRONMENTS AND TEST DATA
- ▶ TEST AND DEFECT MANAGEMENT
- ▶ DEVIATIONS FROM TEST STRATEGY
- ▶ TESTING RESOURCE REQUIREMENTS AND SCHEDULE
- ▶ TESTING RESOURCES
- ▶ TEST SCHEDULE
- ▶ TEST PHASES
- ▶ REQUIREMENT QUALITY REVIEW
 - ▶ RQR Entry & Exit Criteria
 - ▶ Test Execution
 - ▶ Test Exit Criteria
- ▶ SYSTEM TEST
 - ▶ System Test Approach
 - ▶ Test Environment, Data and Tools
 - ▶ System Test Entry & Exit Criteria
- ▶ FACTORY ACCEPTANCE TEST
 - ▶ Factory Acceptance Test Approach
 - ▶ Test Environment, Data and Tools
 - ▶ Test Data
 - ▶ Factory Acceptance Test Exit Criteria
- ▶ USER ACCEPTANCE TEST
 - ▶ UAT Approach
 - ▶ Test Preparation
 - ▶ Test Environment, Data and Tools
 - ▶ UAT Entry & Exit Criteria
- ▶ NON-FUNCTIONAL TEST
 - ▶ Non-Functional Test Approach
 - ▶ Test Environment, Data and Tools
 - ▶ Test Data
 - ▶ Non-Functional Testing Entry & Exit Criteria
- ▶ RISKS, ASSUMPTIONS, ISSUES AND DEPENDENCIES
 - ▶ Risks
 - ▶ Assumptions
 - ▶ Issues
 - ▶ Dependencies
- ▶ SUMMARY OF TESTING

What is a test approach?

The test approach is the implementation of the test strategy for a project and defines how testing will be carried out.

Corporate test strategy

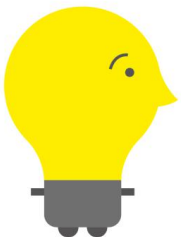
Here's a high-level view of a typical test strategy



The right test approach...

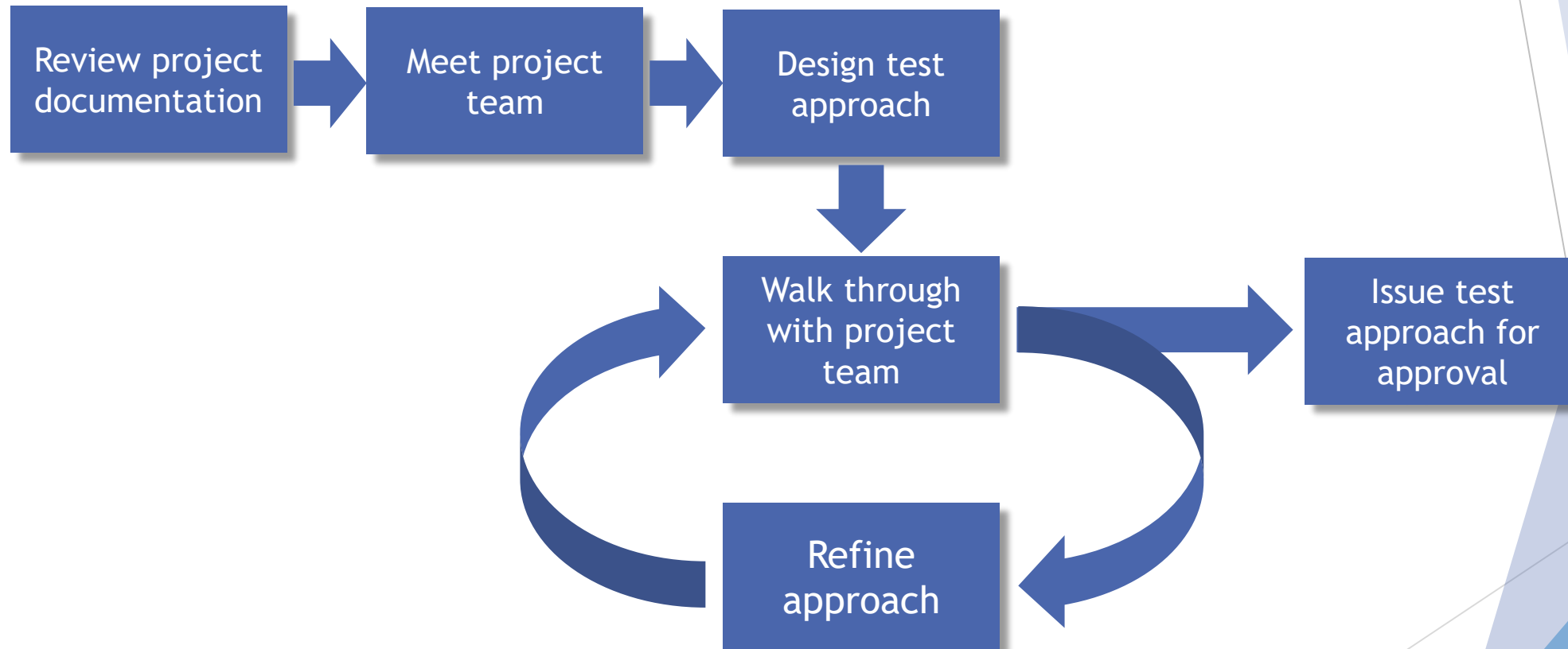
Is individual to each project

Isn't implementing every part of the test strategy on every project



Balancing testing with the project risks

Creating a test approach



Review project documentation

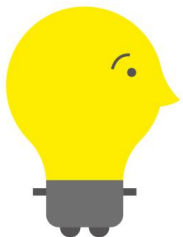
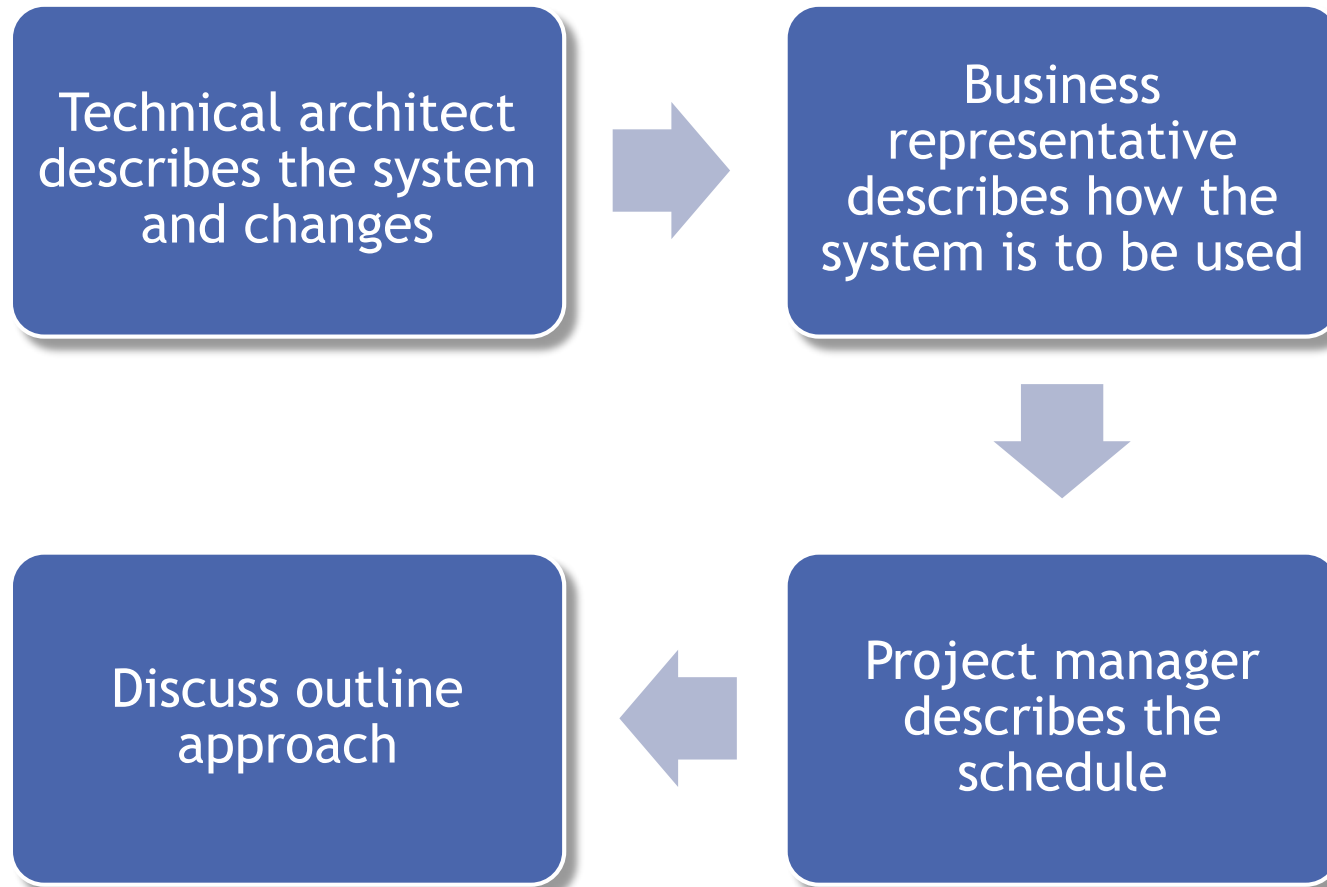
Project Brief

- Our AutoCRM system data is held in a standalone Oracle Standard database which is running out of disk capacity. Rather than adding disk capacity to a server that will be at end of life in 18 months, we have decided to migrate the database to a new Oracle Enterprise environment.

Impact Assessment

- Both Oracle systems are running on the same version.
- Our DBAs advise that migrating from Standard to Enterprise is a simple 'lift and shift' and doesn't require any changes to the database.
- The application is used by our contact centre from 08:00-20:00 every day
- We have 100,000 active customers

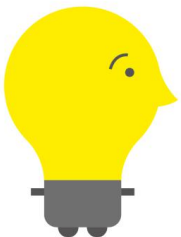
Engage with the project team



Engage with the project team - they have lots of useful information

Consider

- ▶ How good is the development team?
- ▶ Does the supplier have a reputation for quality code?
- ▶ Have we experience of using this technology?
- ▶ Is the supplier making any changes to the system?
- ▶ How extensive are these changes?
- ▶ How complex is the system?
- ▶ What other systems will interface to the system?
- ▶ Are there any regulatory requirements?
- ▶ Have we got appropriately skilled and experienced test resources?
- ▶ How many people will be using the system at any one time?
- ▶ How many transactions will the system process each day?



Document your assumptions as you go

Creating the test approach

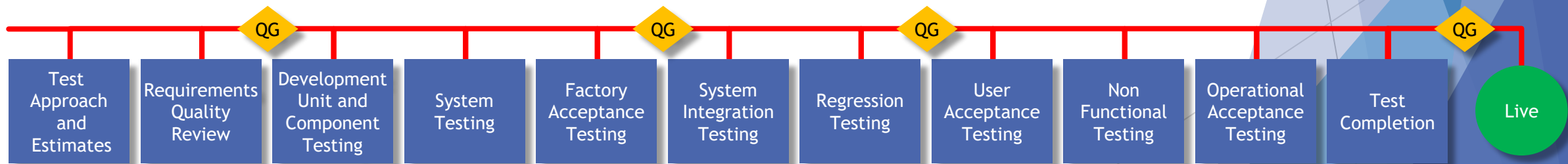
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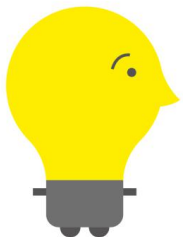
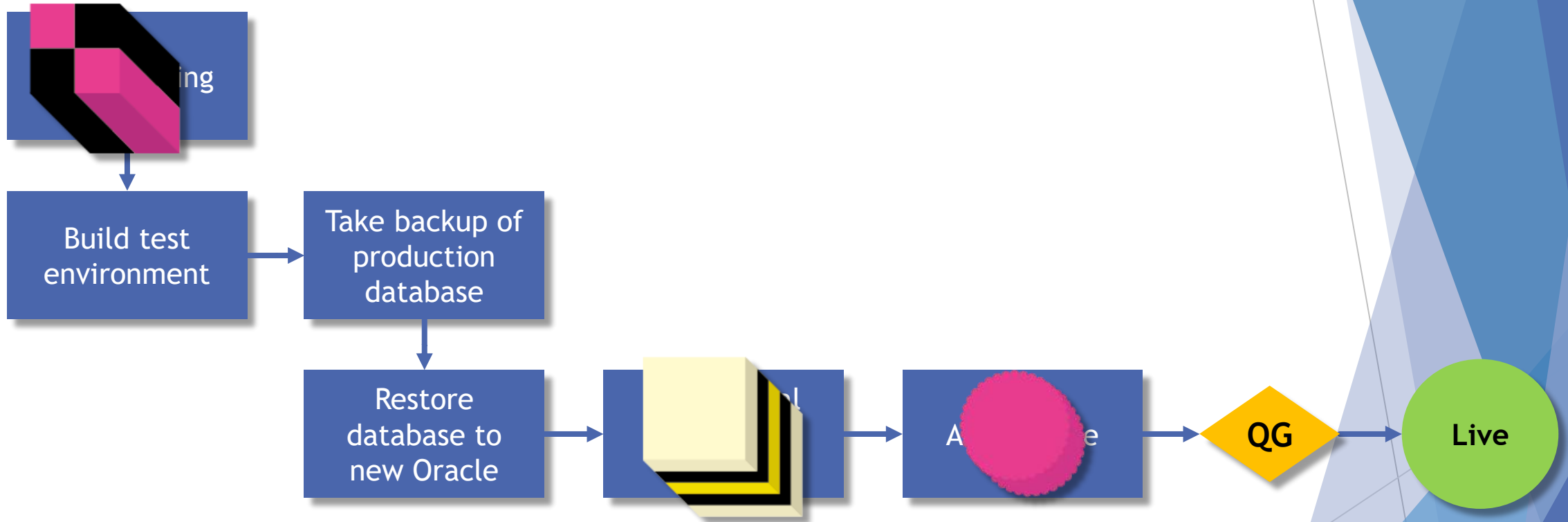
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Test Approach

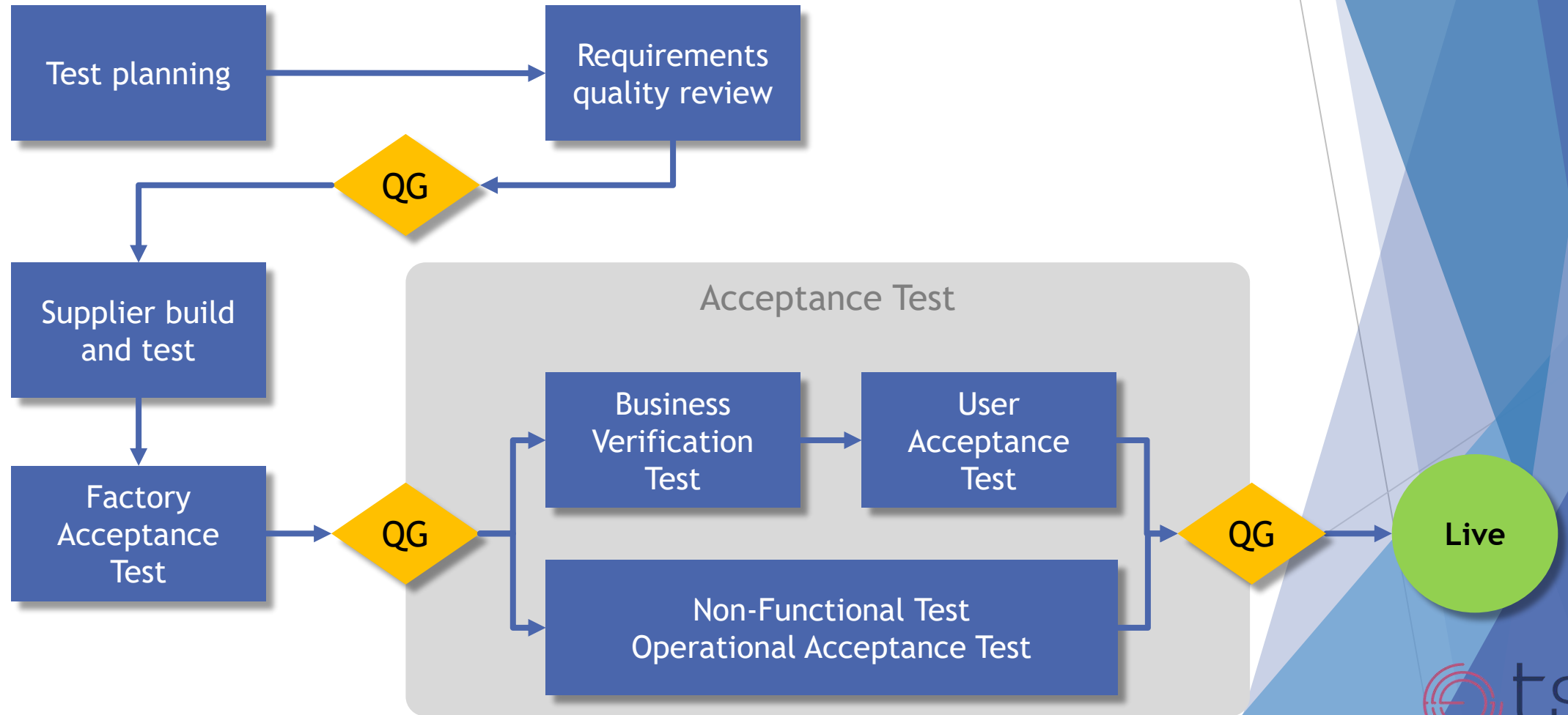


Test approach

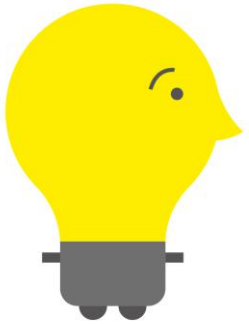


Don't get dragged down into the detail at this stage

Test approach for third-party systems

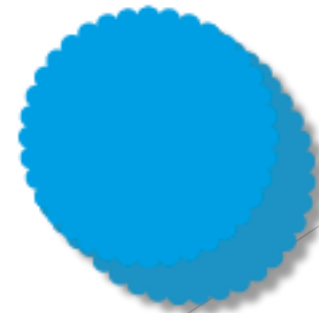


Steve's top tips



- Get involved with the project at initiation
- Keep testing appropriate to the risks
- Engage with the project team
- Document your assumptions
- Don't get dragged down into the detail when planning

Q & A



Creating a test approach

Steve Portch

steve.portch@tsgconsulting.co.uk