



Introduction to Test Engineering

Duration: 2 Days Course Code: IE

Overview:

This course is aimed at those about to embark on a career in software testing. It is suitable for apprentices, people new to testing and others seeking cross-function training.

It will provide a through grounding in structured and systematic test techniques which can be applied throughout the software development lifecycle, whether traditional, Agile or DevOps. We will begin with those techniques which can be applied at the start of the development project, on the requirements and user stories. We will continue with those which can be applied whilst the developer is writing code; so that code quality may be improved, when it more cost effective to do it. We will also look at techniques which can be applied once the code has been checked in for test and explore those suitable for use at system testing and those for use at user acceptance testing. **Course format**

The course will comprise lectures, discussions, and hands-on activities. This will include: **Reviewing a set of user-stories and reporting on issues found; Designing tests for given requirements; Completing session sheets to record test execution against acceptance criteria; Raising defects with the required information.**

Throughout the course delegates will be encouraged to work in groups with active participation emphasised as key to personal growth.

Target Audience:

Apprentices and people new to software testing

Objectives:

- This course introduces sound testing principles for those new to testing and provides a foundation
- on which to build a career as a software testing professional. On completion, delegates will be competent at:
- !Reviewing a set of user-stories and reporting on issues found;
- !Designing tests for given requirements;
- !Completing session sheets to record test execution against acceptance criteria;
- !Raising defects with the required information.
- Throughout the course delegates will be encouraged to work in groups with active participation emphasised as key to personal growth.

Prerequisites:

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Testing and Certification

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Content:

students how to apply different techniques as follows:

- !Overview of

traditional vs Agile vs DevOps working environments;

- !Static test

techniques – walkthroughs and technical reviews;

- !Insight into

developer testing and code-coverage measures;

- Continuous

integration and testing at developer level;

- !Practise in

using specification-based testing techniques:

- o Equivalence

partitioning;

- o Boundary

value analysis;

- o State

transition testing;

- o Decision

tables;

- o Model-based

testing;

- o User story

testing.

- !Full scripts

versus session sheets;

- !When to

automate and when not;

- !Raising and

managing defects

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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