



Testing Techniques for Tracing and Validating Requirements

e-Training

920 € + IVA

42 días acceso



COURSE
SCHEDULE

Convocatorias
mensuales

PDUs: 21

Idioma
Inglés

Certificación:
The George
Washington
University



YOU WILL LEARN TO:

- Recognize the role of the business analyst (BA) in the testing process
- Validate the business requirements document (BRD) and analysis models
- Verify that the solution conforms to the requirements
- Communicate the importance of a testing methodology
- Determine what to test and trace those requirements throughout the solution development life cycle (SDLC)
- Develop and execute a test plan
- Understand various testing techniques

COURSE SYNOPSIS

Do not underestimate the importance of testing! To ensure project success, planning and executing the testing process must begin as soon as the vision and scope for the solution takes shape. As the requirements for the solution are elicited, the business analyst and the test team develop and refine a master test plan. This plan incorporates test strategies to identify any defects in the requirements, solution or corresponding documentation.

In this interactive course, you will work to develop a master test plan under the guidance of an experienced instructor. You will also perform exercises designed to help you establish a risk-based and comprehensive master test strategy for a testing effort. These activities help the business analyst ensure that all requirements trace back to the business need.

By attending this course, you will develop the competencies required to create test cases and scenarios and to ensure proper test coverage according to the risk level. You will also learn about the different levels and types of testing commonly used in solution development today.

Reminder: Before taking this course, you should have acquired the background as taught in *How to Gather and Document User Requirements*.

KEY TOPICS

- ✓ **Introduction to Testing**
 - Recognizing the importance of testing
 - Recognizing the BA role in the testing process
 - Validation vs. verification
 - Validating the BRD and models
 - Verifying the solution
- ✓ **The Testing Process**
 - Identifying the IT strategy
 - Identifying the testing life cycle
 - Aligning the solution development life cycle (SDLC) and the testing life cycle
 - The importance of test methodologies
 - Employing traceability and defect analysis
- ✓ **Levels and Types of Testing**
 - Using the V-model of testing
 - Planning the different levels of testing
 - Planning the different types of testing
- ✓ **The Master Test Strategy**
 - Defining the master test strategy
 - Identifying test goals
 - Defining the test strategies for each level of testing
 - Identifying the likelihood and impact of defects
- ✓ **Planning Testing**
 - Identifying the roles for developing the master test plan
 - Documenting the components of the master test plan
 - Compiling the master test plan
 - Planning for changes
- ✓ **Testing from the BA Perspective**
 - Testing that requirements are met
 - Performing user testing and acceptance testing
 - Conducting a satisfaction assessment
 - Performing usability testing
 - Conducting a pilot implementation test
 - Managing and prioritizing risk
- ✓ **Test Case Design Techniques**
 - Developing test scenarios and test cases
 - Converting use case scenarios to test scenarios
 - Performing black box and glass box testing
 - Ensuring test coverage is risk-driven
 - Using test tools
- ✓ **Executing the Plan**
 - Executing and updating the master test plan
 - Managing changes to test strategies and business requirements
 - Reviewing the acceptance test