

Business Analysis and Requirements Engineering

Course Description

This course focuses on the evolution of requirements as they progress through the software development life cycle (SDLC). Candidates are taught how to engage the various stakeholders and solicit their requirements, both functional and non-functional. The importance of trace-ability of the requirement, and changes to the requirement, throughout the life of the project is explained.

We base our training on practical interactions and participation in class and home exercises to ensure that each candidate trained will be able to immediately implement concepts, techniques and principles learnt on the course.

Intended Audience

The course is relevant to developers, business analysts, project managers, usability practitioners and testers.

Course Content

The course covers the following areas:

- **Requirements Overview**
The different levels of requirements are addressed; namely, business requirements, user requirements and functional requirements. The reasons for poor requirements are also covered.
- **Characteristics of a Good Requirement**
The main characteristics of a good requirement (complete, feasible, necessary, unambiguous, prioritised and verifiable) are explained to the candidates. Over and above these characteristics the importance of completeness, consistency, ability to be modified and the trace-ability of requirements are addressed.
- **Requirements Management**
Candidates will learn a process that identifies, prioritises and tracks the status of testable requirements. This process greatly enhances requirements management planning, design, execution and reporting.
- **Roles**
The importance of interacting with all stakeholders and their responsibilities towards requirements are discussed from the point of view of developers, business analysts, users, systems analysts and testers.
- **Modelling and Documenting**
The various techniques of modelling requirements are covered namely, use cases, data flow, entity relationships, state transition, dialog maps and class diagrams.

Course Details

- Prerequisites**
 Previous experience in requirements engineering is not necessary; however, general knowledge of the information technology industry is an advantage.
- Course presentation and duration**
 The course is presented by experienced IT practitioners. The course duration is five days from 8:30 to 16:30. This includes lunch and two tea breaks daily.
- Training style**
 The course is conducted in a classroom style. Candidates use practical tasks to consolidate theoretical concepts. Any related testing-problems encountered in the workplace can be discussed in the course.
- Course materials, certification and assessment**
 Comprehensive course notes are provided. An exam takes place on the fifth day. On successful completion of the exam, a *Test and Data Services Certificate* is awarded. The candidate's result will be displayed on their certificate.
- Training Venues**
 Test and Data Services presents courses at several well-established training facilities in Midrand (near Johannesburg and Pretoria), Cape Town and Durban. Training can be arranged at the client's premises depending on adequate facilities and candidate numbers.

Contact

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