Software Development Fundamentals

Duration: 3 Days   Course Code: M40361

Overview:

This course is designed to help business professionals, , who work in technical environments, learn the fundamentals and gain a better understanding of software development and application life cycle management.

In this course, you will learn how desktop and web applications are developed and the programming logic behind them. This course is designed to help you prepare for the Microsoft Technology Associate (MTA) Exam: 98-361 - Software Development Fundamentals.

Target Audience:

Project managers, business analysts, software marketing professionals, business stakeholders who need to communicate more effectively with software developers and the development community.

Objectives:

- Core fundamentals of software and application development

- Core programming, decision structures, error-handling, and object-oriented programming

- Programming for desktop vs. programming for web applications

- Integrate applications with databases and data stores for real-time queries

Prerequisites:

- There are no prerequisites for this course.

Follow-on-Courses:
- There are no follow-ons for this course.

Content:

Introduction to Programming

- Basics of Computer Programming
- Decision Structures
- Repetition Structures
- Exception Handling
- Computer Storage and Data Types
- Error Handling

Introduction to Object-Oriented Programming

- Objects
- Values and References
- Encapsulation
- Inheritance
- Polymorphism
- Interfaces
- Fundamentals of Classes
- Computer Storage and Data Types

General Software Development

- Application Lifecycle Management
- Testing
- Data Structures
- Sorting Algorithms

Web Applications

- Web Page Development
- ASP.NET Application Development
- IIS Web Hosting
- Web Services Development

Desktop Applications

- Web Windows Forms Applications
- Console-Based Applications
- Windows Services

Databases

- Relational Database Management Systems
- Database Query Methods
- Database Connection Methods

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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