

Business Analyst & Quality Assurance Analyst Course (BA/QA)

Instructor(s)

Carolina Softech
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Class Delivery

In person / Online

Course Duration:

12 Weeks

Start and End Date:

Sept. 19 – Dec. 15, 2022

Course Overview:

A Business Analyst, or Systems Analyst (BA or S.A.), collects data about an organization's operations to improve its systems and processes. Their primary duties include researching business processes, making reports with recommendations to the company's management and analyzing the potential impact of their recommendations.

Quality Assurance Analyst (QA)

A software tester is responsible for designing test scenarios for software usability, running these tests, and preparing reports on the effectiveness and defects to the production team.

Course Summary

Course 1- Business Requirement Analysis

- **Part 1:** What is Business Analysis?
 - Business and Solution Domains—how they relate
 - Key roles in requirements development in SDLC and Agile projects
 - Competencies of a business analyst
 - Effective communication
 - Six important BA skills
- **Part 2:** The Business Case for Good Requirements
- **Part 3:** Foundations of Requirements Development
- **Part 4:** Project Initiation: Eliciting High-level and Mid-level Requirements
- **Part 5:** Documenting Requirements with Use Cases
- **Part 6:** Packaging and Presenting Requirements
- **Practice Sessions**

Course 2- Manual Testing Methods

- **Part 1:** Introduction to manual software training
 - Scope of manual testing
 - Functionalities that are involved in manual testing
 - Functional specifications in functional testing
- **Part 2:** Test Design and Document Techniques
 - Introduction
 - Test Development Process
 - Understanding Environments
 - Creation of Test Data
 - Types of Testing
 - Specification- Based (Black Box) Techniques
 - Structure- Based (White Box) Techniques
 - Test Documents > Test Strategy, Test Plans, Test Scenarios
 - Creating Epics, User Stories

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- **Part 3:** Tool Support for Testing
 - Introduction
 - What is Test Tool?
 - Test Tools > JIRA, QTest, ALM
- **Part 4:** Fundamentals of Test Execution

Course 3- Web Services and API Testing

- Introduction
- Techniques of API Testing

Course 4- Defect Management

- Defect Life Cycle
- Practice Sessions

Course 5- Automation (Selenium Java framework) Includes basics of Java and SQL

- SQL Server Programming
- JAVA Programming
- Selenium Automation Tool

Course Schedule		
<u>Week</u>	<u>Days</u>	<u>Time / In person / online</u>
Week 1 - 6	Monday / Thursday	In person - 6:30 -8:30 pm
Week 1 - 6	Wednesday	Online - 6:30 – 8:30 pm
Week 6 - 12	Monday / Wednesday	Online – 6:30-8:30 pm
Week 6 - 12	Thursday	In person – 6:30-8:30 pm

Workshops	
<u>Week</u>	<u>Subject</u>
NOTE: DATES ON WORKSHOPS ARE ESTIMATED AND ARE SUBJECT TO CHANGE.	
Week 7 Saturday (8:30-12:30) (4hrs)	Agile Workshop (In Person)
Week 4 Wednesday (2hrs)	SDLC Workshop (Online)
Week 5 or 6 Wednesday (2hrs)	Project Initiation (Online)

Additional Information

This is an interactive course. Students will learn by doing and also learn from each other as well as the instructor, text, guest lecturers, presentations, weekly classes, and events.