



Website Testing Program

Program Coordinator : Shweta Dewan
Email address : shweta.dewan@sqa.edu.au

Course Description

SQA Centre's Website Testing Program is designed to introduce the client-server and Web system architecture for testing applications on the web. This course offers an in-depth exploration of Web application technologies such as network protocols, component-based architectures and multiple server types from testing perspective. Also, testing practices will be discussed in the context of various test types from user interface tests to performance, load and stress tests.

With a combination of general testing methodologies and information contained in this course, you will have the foundation required to achieve these testing goals – maximizing productivity and minimizing quality risks in a Web application development.

Course Topic Outline

I. Fundamentals of Software Testing

- Introduction to Web Testing
 - Evolution of Software Testing
 - Gray-Box testing approach
 - Real-World Software Testing
- Web testing versus Traditional testing
 - Application Model
 - Hardware and software Differences
 - Web systems
 - Back-End Data Accessing
 - Thin Client Versus Thick Client processing
 - Interoperability Issues

- Software Testing Basics
 - Basic Planning and Development
 - Test-Case Development
- Networking Basics
 - Testing Considerations
- Web Application Components
 - Component Architecture
 - Testing Considerations
- Test Planning Fundamentals
 - Test Plans
 - Testing Considerations
- User Interface Tests
- Functional Tests
- Database Tests
 - Relational Database Servers
 - Client/SQL Interfacing
 - Testing Methods
 - Database Testing Considerations
- Help and Installation Tests
- Configuration and Compatibility Tests
- Web Security Concerns
- Performance, Load and Stress Tests
- Web Testing Tools

Program Session: 3 days course

Tuition Fee: \$2000 per person (including GST)

(For a group of 4-6 members, we will provide 5% discount).

Job Placement & Assistance:

SQA Centre provides a variety of services to assist students in achieving their career goals. We encourage students to sign up with SQA Centre's Career Services at our human resource department.

Website: www.sqa.edu.au

Phone: (02) 9620 6704 **Fax:** (02) 9620 6707 **Email:** info@sqa.edu.au