Software Quality Assurance – C857

Course Feedback

Overview

Software Quality Assurance applies a QA focus to every phase of the software development life cycle. This course investigates best practices for quality analysis, quality planning, and testing strategies as they pertain to the everyday practice of software development. Students will come to understand how their work fits into the bigger picture: how QA, testing, and code-writing practices interact within specific process models; the potential impact of new code on existing code or on other applications; the importance of usability and the influence users have on the ultimate success of an application. Students will explore test plans, test cases, unit tests, integration tests, regression tests, usability tests, and test and review tools.

Competencies

▲ Quality Best Practices

The graduate integrates quality best practices throughout the software development life cycle to improve the quality of code.

▲ Test Types

The graduate recognizes the impact of different types of tests on the software development process in the context of quality-centered software development.

▲ Test and Review Tools

The graduate uses test and review tools to uncover flaws or weaknesses in code.

▲ Unit Tests

The graduate conducts unit tests to validate code.

Learning

Getting Started

Welcome to Software Quality Assurance! In this uCertify course you will encounter videos, illustrative case studies and examples, labs, and interactive knowledge checks. Complete each lesson in its entirety, then take the lesson quiz to gauge your understanding of concepts. Take the pre-assessment to determine your overall readiness. Competency will be demonstrated by the successful completion of an objective assessment that contains some lab-based activities. The pacing guide, included in the welcome section of the course, provides a suggested weekly plan for working through the materials in a timely manner.
A score of Competent or Exemplary is required to pass all assessments. Passing a preassessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information click here.

Course Information

Coaching Report

Course Instructor

Course Instructor Group

Email: cmprogramming@wgu.edu

Announcements

Course Tips