

Welcome to QA/Software Testing

- QA is risk management for product quality
- Testing is a team sport across SDLC
- You will learn manual + automation + quality engineering

References: <https://www.istqb.org/certifications/certified-tester-foundation-level> | <https://agilemanifesto.org/>

How to Use This Course

- Watch slides first, then practice labs
- Use scripts as your narration guide
- Build a portfolio project by chapter 12

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Evergreen + Trending Topics Covered

- Evergreen: test design, risk, defects, automation strategy
- Trending: shift-left, CI/CD quality gates, observability
- Modern tooling: Playwright, API/contract testing, k6

References: <https://dora.dev/> | <https://playwright.dev/docs/intro>

Learning Outcomes

- Design effective tests with clear coverage
- Build maintainable UI/API automated checks
- Integrate quality gates into CI/CD pipelines

References: <https://docs.github.com/en/actions> | <https://www.atlassian.com/continuous-delivery/principles/continuous-integration-vs-delivery-vs-deployment>

