Listen

TidBIT

According to Jerry Weinberg, “You can be a great tester if you have programming skills. You can also be a great tester if you have no programming skills at all. And, you can be a lousy tester with or without programming skills. A great tester will learn what skills she needs to continue to be great, in her own style.” (https://abstracta.us/blog/tools/ultimate-list-100-software-testing-quotes/) Whether you have extensive or little practice as a programmer or software tester, we will continue to explore the fundamentals of software testing, testing practices, and the role of testing in the software development life cycle. As you continue to learn more about software testing, you will be able to identify what skills you need to be a great tester.

Required Resources

Textbook: *Software Testing: An ISTQB-BCS Certified Tester Foundation Guide (https://go.openathens.net/redirector/snhu.edu?url=https%3A%2F%2Febookcentral.proquest.com%2Flib%2Fsnhu-ebooks%2Fdetail.action%3FdocID%3D5837074)*, Chapter 1
This chapter covers the fundamentals of software testing and describes testing practices used to ensure quality in software development. Consider the following questions as you read:

- Why does software fail?
- What is testing, and what does it do?
- What is the psychology of testing?

Textbook: *Software Testing: An ISTQB-BCS Certified Tester Foundation Guide (https://go.openathens.net/redirector/snhu.edu?url=https%3A%2F%2Febookcentral.proquest.com%2Flib%2Fsnhu-ebooks%2Fdetail.action%3FdocID%3D5837074)*, Chapter 2
This chapter discusses how software testing fits in the software development life cycle. Consider the following questions as you read:

- What are software development models?
- What are the different levels of testing and test types?
- What is maintenance testing?

Reading: SDLC - Overview (https://www.tutorialspoint.com/sdlc/sdlc_overview.htm)
This website provides an overview of the software development life cycle (SDLC) and describes how software organizations use the SDLC and the development process models employed by the software industry. Although you have previously learned about the SDLC in CS 250, pay particular attention to where testing falls in the cycle. Consider the following questions as you read:

- How can implementing an SDLC model ensure the successful development of a software application?
- Where does testing fall in the SDLC?
- Which stages directly affect the testing stage?