

- Practice using exploratory testing techniques
- Identify ways to leverage heuristics in testing
- Design exploratory testing charters that influence and encourage exploration
- Discover ways to pair in exploratory testing sessions
- Describe ways to apply exploratory testing to quality characteristics and APIs

Exploratory testing is where the art and science of software testing meet. Exploratory testing fills the gap between automation, unit testing, and story testing; it's what truly helps us to identify the unknowns that are the difference maker between a buggy unusable application and good enough quality.

Unlike other test techniques, exploratory testing values the individual tester's expertise and perspective, centering the tester's intuition and knowledge of software and the domain as the test basis. Explore the art and science of exploratory testing and get hands-on by exploring real applications and playing testing games designed to challenge and deepen your skills.

The instructor will share key agile, focused exploratory testing guidance and industry best practices you can put to work right away. We'll cover the art of creating meaningful charters that provide insight into the exploratory testing session and methods and best practices for traceability and coverage measures of exploratory testing. We'll dig into heuristics and learn how to best make use of them in a testing session and examine ways to test APIs and non-functional quality characteristics using exploratory techniques. We'll close the class by getting hands-on with paired and mob exploratory testing to ensure you're ready to share your new knowledge and experience with your development partners to continue learning long after class is over.

This workshop-style course provides hands-on exercises to allow testers to immediately apply exploratory testing techniques in an informal and interactive setting. Attendees will leave the course with the ability to apply unit testing best practices in their own environment.

Course Outline

Introduction to Exploratory Testing

What Is Exploratory Testing?

Why Exploratory?

Differences Between Exploratory and Other Test Techniques

Traceability and Coverage Measures for Exploratory Testing

Charters

What Are Charters?

Why Use Charters?

Crafting the Right Charter for the Right Task

Quality Characteristics and API Exploratory Testing

Creating Experiments for Non-Functional Testing

Exploring APIs

Pairing and Mobbing

Who Can We Pair and Mob with While Exploring?

Pairing with Developers

Pairing with Other Testers

Mob Exploratory Testing Sessions

Heuristics

What Are Heuristics?

Sources of Heuristics

Using Heuristics in Exploratory Testing