

# UI TESTING



# WHAT TO EXPECT



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# Introduction to UI Testing

UI testing, or User Interface testing, is a software testing technique that focuses on evaluating the graphical user interface (GUI) of a software application. The primary goal of UI testing is to ensure that the user interface of a software program functions correctly.

UI testing involves the following key aspects:



Functional Testing



Visual Testing



Usability Testing



Cross-Browser &  
Cross-Device Testing



Responsive Design



Automation

# Lets try to Summarize

- UI testing can be performed manually by testers who interact with the application as end-users
- It can be automated using testing tools and frameworks that simulate user interactions.
- Automated UI testing is particularly valuable for regression testing
- Effective UI testing helps identify and resolve issues related to the user interface
- Helps improve the overall quality of the software and enhancing the user experience.



# Types of UI Testing

- Manual Testing
- Automated Testing
- Functional vs. Non-Functional Testing
- Cross-Browser and Cross-Platform Testing



# UI Testing Tools



Selenium

OpenSource

UI Testing



UFT

Commercial

UI Testing



## TestComplete

TestComplete

Commercial

UI Testing



Katalon

Commercial

UI Testing



Tosca

Commercial

UI Testing

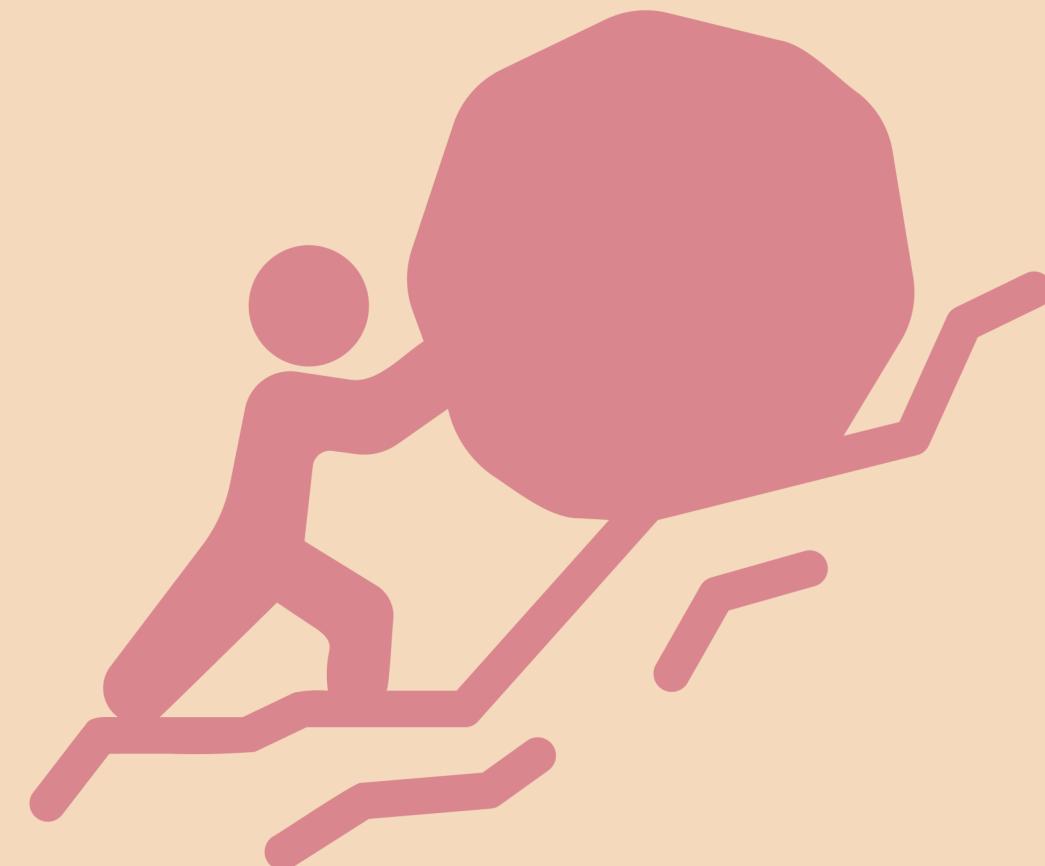
MANY MORE >>>

# Best Practices in UI Testing



- Consistency in Testing Environments
- Test Data Management
- Test Case Design
- Usability and Accessibility Testing

# Challenges in UI Testing



- Frequent UI Changes
- Cross-Browser Compatibility
- Mobile Responsiveness
- Dynamic Web Elements

# UI Testing Checklist



- Elements to Verify (e.g., forms, links, images)
- Functional Checks
- Browser and Device Compatibility
- Performance and Load Testing



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**See you in Next Video**

