

Testing Fundamentals

Requirements & Exploration

- Exploring Requirements
 - Understanding what problem the customer is solving for the end-users is important for us to help the customer with their problems
 - Questioning
 - Testing Tours - FCC CUTS VIDS
 - Critical Thinking Cheatsheet
 - Sales/Support Analytics
 - Market Research

Risks Identification & Analysis

- Core Modules
 - Nightmare Headline Game
- Architecture, Environment & System dependencies
- Team/Resource Dependencies

Test Strategy & Planning

HTSM

Test Plan Checklist

Test Design - Manual/Automation

- Low Risk
 - Functional Tests
 - Identify Variables
 - Use permutations & combinatorics to test the product capabilities
 - Capability
- High Risk
 - Usability
 - User Journeys
 - Non-Functional Tests
- Test Ideas Cheatsheet
- Usability Heuristic
- Web Testing Cheatsheets
 - Rob Lambert
 - Elizabeth Hendrikson
 - Lena Pejgan
- Mobile Testing Cheatsheets
 - Daniel Knott
 - I SLICED UP FUN
- API Testing Cheatsheets
 - <https://testingtbits.com/apichecklist/>
 - <https://web.archive.org/web/2020112010147/http://slinkp.com/falsehoods-programmers-believe-about-apis.html>
 - Julia Pottinger
 - <https://github.com/shieldfy/API-Security-Checklist>

Test Coverage

- Risks
- Functionality
- User Personas
- UI/UX
- Compatibility
 - Mobile
 - When do we test on every supported device?
 - When a feature calls the backend (i.e. it's complex)
 - When the feature is high impact and highly used (based on risk assessment)
 - Minimum testing standard based on risk:
 - 1 star - Test on a real device
 - 2 star - Test on smallest screen, largest screen and on a real device
 - 3 star - Test on every supported OS and screen size
- Performance
- NFT
- Competitor Analysis

Reporting

- Bug Advocacy
 - RIMGEN
- Experience Reports
- Reporting Mnemonic - MCOASTER

Additional Reading Resources

- Testing Mnemonics
- The Complete Software Tester
- Explore It!
- BBST Foundations
- 400 Common Software Errors

Tools

- Test Managemnet
 - TestRail
 - Jira
- Session based Testing
 - Exploratory Testing Browser Extension
 - Yattie
 - Headlamp Test
- Data Generation
 - PDT
 - Pairwise
 - Mockaroo
 - Nasty Strings
 - Type It
 - Data Generator
- Cross browser/ Compatibility
 - BrowserStack
 - LambdaTest
 - pCloudy
- Reporting
 - Bird Eats Bug
 - LiceCap
 - Lightshot
 - Greenshot
 - OBS
 - Screenrec
- Micro-tools
 - Fake Filler
 - Bug Magnet
 - Clear Cache
- Note taking
 - XMind
 - Evernote
 - OneNote
 - Notion
- Low Code Automation tools
 - Testsigma
 - Accelq
 - Context QA
 - Virtuoso
 - Testcase Studio
- Performance
 - Web
 - GT Metrix
 - Website Grader
 - WebPagetest
 - Broken Links
 - Mobile
 - AndroidStudio
 - Apptim
- UI
 - HTML Standards
 - W3 Validator
 - Readability
 - Grammarly
 - UX Check
 - Design