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## WEB TESTING

## Why Manual Testing is necessary before Automation Testing

Esraat Zahan 30 Dec 2024 6 191 1

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Software testing is like exploring a new city - before setting up automated tours (automation testing), you need to walk the streets yourself (manual testing) to truly understand what's worth showing to others. Manual testing provides the essential first-hand experience that forms the

Key Reasons Why Manual Testing Should Be done before Automation Testing:

### Understanding System Behavior

- Manual testing helps QA engineers deeply understand how the system works
- It allows testers to discover the natural user flows and edge cases
- Helps identify critical scenarios that should be automated

### Test Case Development

- Manual testing helps validate test cases before investing time in automation
- Testers can refine test steps and expected results through hands-on experience
- Reduces the risk of automating incorrect or inefficient test scenarios

### Exploratory Testing Benefits

- Manual testers can uncover unexpected bugs through insightful exploration
- They can identify usability issues that automated tests might miss
- Helps discover scenarios that weren't considered during requirements gathering

### Cost and Time Efficiency

- Not all test cases are worth automating (one-time scenarios or rarely used features)
- Manual testing helps prioritize which tests should be automated

### User Experience Validation

- Manual testing better evaluates subjective aspects like UI/UX and user-friendliness
- Provides insights into the actual user experience that automated tests can't capture

### Rapid Initial Testing

- Allows quick feedback during early development stages
- Helps identify major issues before investing in automation

### Complex Scenario Verification

- Some scenarios are too complex or unpredictable to automate effectively
- Useful scenarios for with multiple dependencies, helps to understand how one should approach when generating automation test cases

### Baseline Creation

- Manual testing establishes a baseline for automation
- Helps identify stable features suitable for automation

### Risk Mitigation

- Manual testing reduces the risk of automating incorrect processes
- Helps identify potential automation challenges early
- Ensures critical business flows are thoroughly understood before automation

By starting with manual testing, organizations can build a more efficient and effective automation framework that truly serves their testing needs while minimizing wasted effort and resources.

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