



RETEST & REGRESSION TESTING



WHAT TO EXPECT



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SOMETHING FAILED ?

RETEST

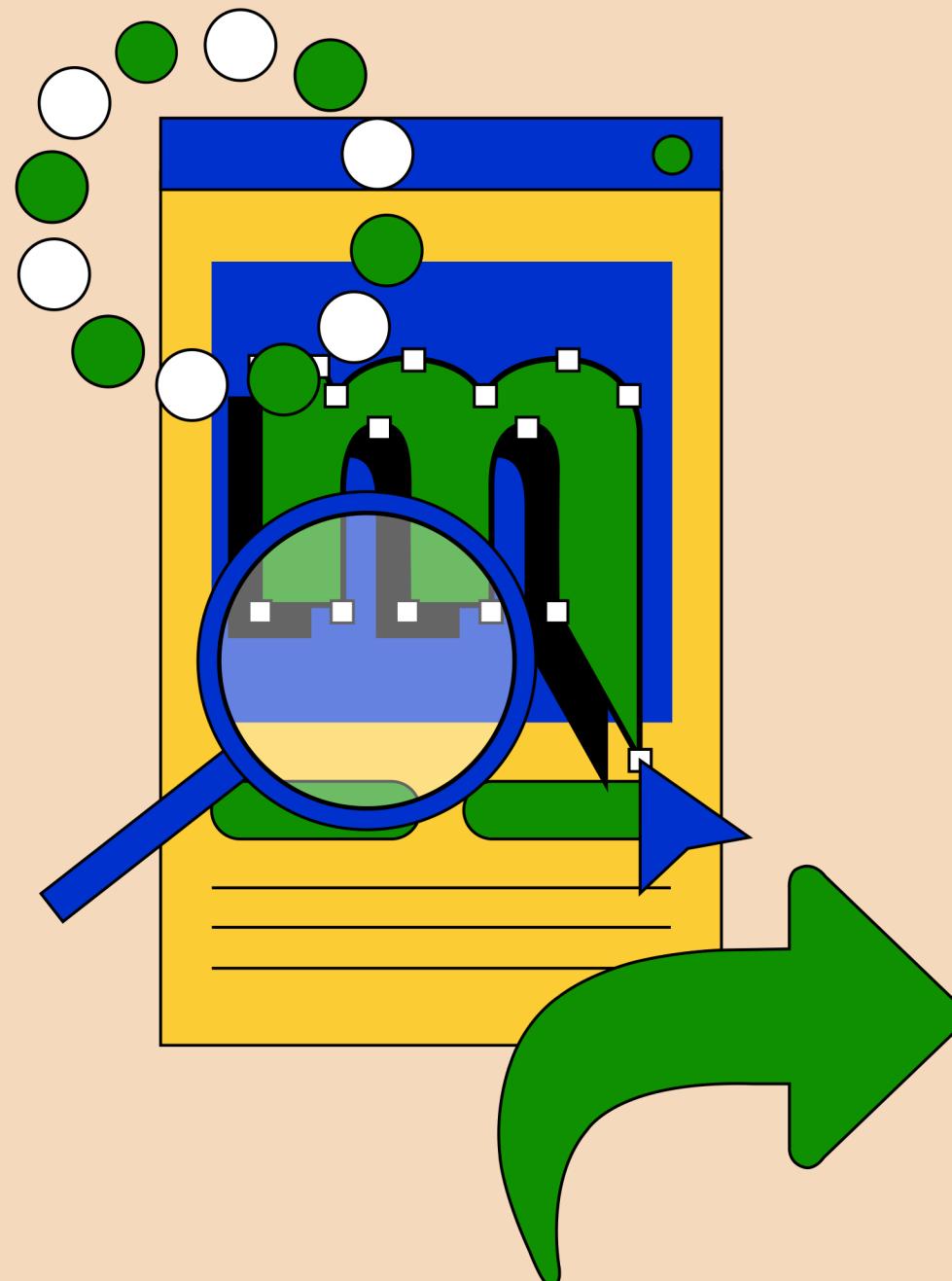
ReTesting

Retesting is performed after defects or issues have been identified and fixed in a software application. The purpose of retesting is to ensure that the reported defects have been properly resolved and that the specific functionality associated with those defects is now working as intended.



Situations to consider for ReTest

- Defect Fix Verification
- Regression Testing
- Cycle Completion
- Confirmation of Verification
- Change Request Validation
- Environment Issues



Why is ReTest-ing Important ?

Retesting is crucial as it validates the effectiveness of defect fixes in software.

It ensures reported issues are resolved correctly, preventing their recurrence.



This process enhances software quality, reduces the risk of regressions, and confirms that the software functions as intended after modifications.

Lets Retest

Use the v2 version of BookStore App

Retest

Testcase	Status
TC003	Fail
TC006	Fail
TC008	Block
TC010	Block



Sure I get ReTest-ing!
What is Regression Testing ?

Regression Testing

Regression testing is a complementary concept to retesting. While retesting focuses on verifying the specific defects that were reported and fixed, regression testing aims to ensure that the introduction of new code or changes (such as defect fixes) does not adversely affect the existing functionality of the software.



Retesting

This involves testing the specific functionalities or scenarios that were previously identified as having defects and were subsequently fixed.

The goal is to confirm that the fixes have successfully resolved the reported issues.

Regression Testing

After the retesting phase, it's possible that the changes made to fix defects inadvertently impact other parts of the software.

Regression testing involves running a broader set of tests that cover various features and functionalities to identify any new defects that might have emerged due to the changes introduced during defect fixing or other modifications.

The Significance of Regression Testing

- **Risk Mitigation:** Guards against introducing new defects while fixing existing ones.
- **Detecting Dependencies:** Identifies hidden interactions between different software components.
- **Agile Development:** Supports iterative development cycles by maintaining software reliability.
- **Cost-Efficiency:** Catches issues early, reducing potential costs of fixing defects later.

Strategies for Effective Regression Testing

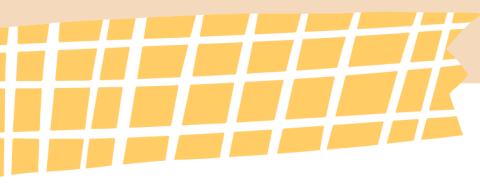
- **Test Selection:** Prioritize critical areas affected by changes to maximize coverage.
- **Automation:** Implement automated test suites for efficient and consistent testing.
- **Version Control:** Track changes to isolate and identify potential regression causes.
- **Continuous Integration:** Integrate regression tests into development pipelines for rapid feedback.

Time for some Regression Testing

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Regression

Testcase	Status
TC001	
TC006	
TC008	



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See you in Next Video

