Chapter 1. Eddective & Systematic Software Testing

1. Systematic testing array -> mull validations domain testing structural testing example-based testing '-> many elements property-based testing maural 2. Effective software testing -> requirement analysis justem tests justegration tests unit -> TDD (test-driven development) cycles →implement testable units - domain, boundary, structural testing -> integration, system testing - automoded testing-test case generalization, mutation testing, static analysis → release the feature 3. Principles of software testing

-> Exhaustive testing is impossible - Knowing when to stop testing / wint tests -> Variability is important (pesticide paradox) -> Bujs happen in some places more than others (defect clusters) -> Testing will never be perfect - Content is king -> Verification is not validation (absence of-errors fallacy)

4. Testing pyravid

-> unit testing - Lost, easy control, easy write, lock reality, bugs not cought

-> integration > tests a component of the system and some external component

-> system -> tests overall functionality of the project (slow, hard to write)