

University Computer Science

Name: _____ Score: _____

1. Search answers within 2 seconds is –
 - ☐ a functional requirement
 - ☐ a non-functional requirement
 - ☐ an architecture decision
 - ☐ a use case
2. The dependency rule points –
 - ☐ outward to the web
 - ☐ down to the database only
 - ☐ inward: the domain depends on nothing
 - ☐ nowhere
3. Every reachable interface state needs –
 - ☐ an animation
 - ☐ a visible way out
 - ☐ a hidden shortcut
 - ☐ a modal dialog
4. In the course model, main is –
 - ☐ always releasable
 - ☐ a scratchpad
 - ☐ the old version
 - ☐ nightly only
5. The pyramid puts – at the base
 - ☐ unit tests
 - ☐ integration tests
 - ☐ manual tests
 - ☐ end-to-end tests
6. A threat model pairs –
 - ☐ modules with teams
 - ☐ bugs with tests

- ☐ users with passwords
 - ☐ threats with mitigations
7. A story is done when –
- ☐ CI green + reviewed + merged + docs
 - ☐ the demo worked once
 - ☐ the developer says so
 - ☐ the sprint ended
8. A requirement is testable when –
- ☐ it is short
 - ☐ it mentions a tool
 - ☐ it uses adjectives
 - ☐ it names an observable outcome
9. The loan-rule change touches 1 module, 2 files. The smeared version touches –
- ☐ 1 and 2
 - ☐ 5 and 7
 - ☐ 2 and 3
 - ☐ 3 and 5
10. Text contrast must be at least –
- ☐ 10:1
 - ☐ 2.9:1
 - ☐ 7:1
 - ☐ 4.5:1

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1. **a non-functional requirement**

It constrains how well the searching works, not what exists.

2. **inward: the domain depends on nothing**

Domain purity is what makes it testable without browser or database.

3. **a visible way out**

No exit = a trap; the error state returns to detail with input kept.

4. **always releasable**

Short-lived branches merge back through reviewed pull requests.

5. **unit tests**

Many fast units, fewer integration, few slow end-to-end.

6. **threats with mitigations**

Assets x entry points x attackers, then a mitigation per threat.

7. **CI green + reviewed + merged + docs**

Done inherits CI verdict: works-on-my-machine is not a column.

8. **it names an observable outcome**

Observable outcome = a verdict exists: pass or fail.

9. **3 and 5**

3 layers, 5 files: the count IS the coupling metric.

10. **4.5:1**

WCAG AA: 4.5:1 for body text; 7:1 comfortably passes.