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. Deleting a leaked key file in a new commit removes the key from the repository's history.

   ☐ True ☐ False

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_____ weeks

8. A service promises 99.95% availability. How many hours of downtime does that allow per year (8760 hours)?

   _____ h

9. The domain layer should import the web framework to read requests directly.

   ☐ True ☐ False

10. Each user finds a given problem with probability 0.31. What percentage of problems do 3 users find? (Answer to the nearest whole number.)

    _____ %

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. **False**

   Every earlier commit still contains it; rotate the key, then rewrite or purge the history.

7. **4.5 weeks**

   45 / 10 = 4.5 weeks.

8. **4.38 h**

   8760 x 0.0005 = 4.38 hours.

9. **False**

   That points a dependency outward and makes the domain untestable without the framework.

10. **67 %**

    1 - 0.69^3 = 1 - 0.329 = 0.671, about 67%.

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