

Instructions





How is it???

1 response

not sleepy

**Tell me if you have problems with
practical tasks**

Agenda

- Exam rules
- Tips
- Recall what was learned

Exam rules

- Exam Format: same as before - a test on learned materials
- Exam Rules: questions = 18, time = 45, maxScore = 25
- Materials to prepare: passed modules at learning platform
- Q&A: reach out if you still have any sort of concern

The screenshot shows a dark-themed learning portal interface. At the top left is a lock icon. Next to it, the title "Final Assessment" is displayed in white, with a dropdown arrow to its left. On the far right is a vertical ellipsis menu icon.

!!! Taking the exam is allowed at the appointed time only !!!

The assessment is held using the Examiner tool. Please install Safe Browser as per instructions provided to start your exam.

Total exam duration: 45 min
Total numbers of tasks: 26
Tasks format: Multiple Choice, Multiple Select
Time (in general) to solve problem of each type: 1 - 2 min
Points for each type of task: 1
The total number of points for the exam: 26

A navigation tree on the left lists "Assessment's Rules and Requirements" and "Final Assessment", both preceded by lock icons.

At the bottom, there is a footer bar with a lock icon and the text "Locked" next to "View lock details". To the right of the footer is a progress indicator showing "0/400".

Final exam module at learning portal

Tips

[https://teams.microsoft.com/l/message/19:f8b004c0d1534b598803a160d4d4b939@thread.v2/1734398266870?](https://teams.microsoft.com/l/message/19:f8b004c0d1534b598803a160d4d4b939@thread.v2/1734398266870?context=%7B%22contextType%22%3A%22chat%22%7D)

context=%7B%22contextType%22%3A%22chat%22%7D

1. Look through the theory, that we have passed.
2. Specifically repeat **definition, role, purpose, benefits, drawbacks** for:
 - SOLID
 - Grasp (Information expert, Encapsulation)
 - Low coupling, High cohesion
 - DI and IoC
 - MVC (layers and dataflow)
 - YAGNI & KISS & DRY
 - Code smells symptoms
 - Benefits of refactoring
 - Basic Antipatterns (first five, that we have discussed during the previous workshop)
 - + Design patterns from the second part of the semester:
 - Immutable, Singleton, Factory method, Abstract Factory
 - Facade, Command, Observer, Builder, Visitor
 - Proxy, Adapter, Decorator, Bridge
 - Chain of responsibility, Strategy

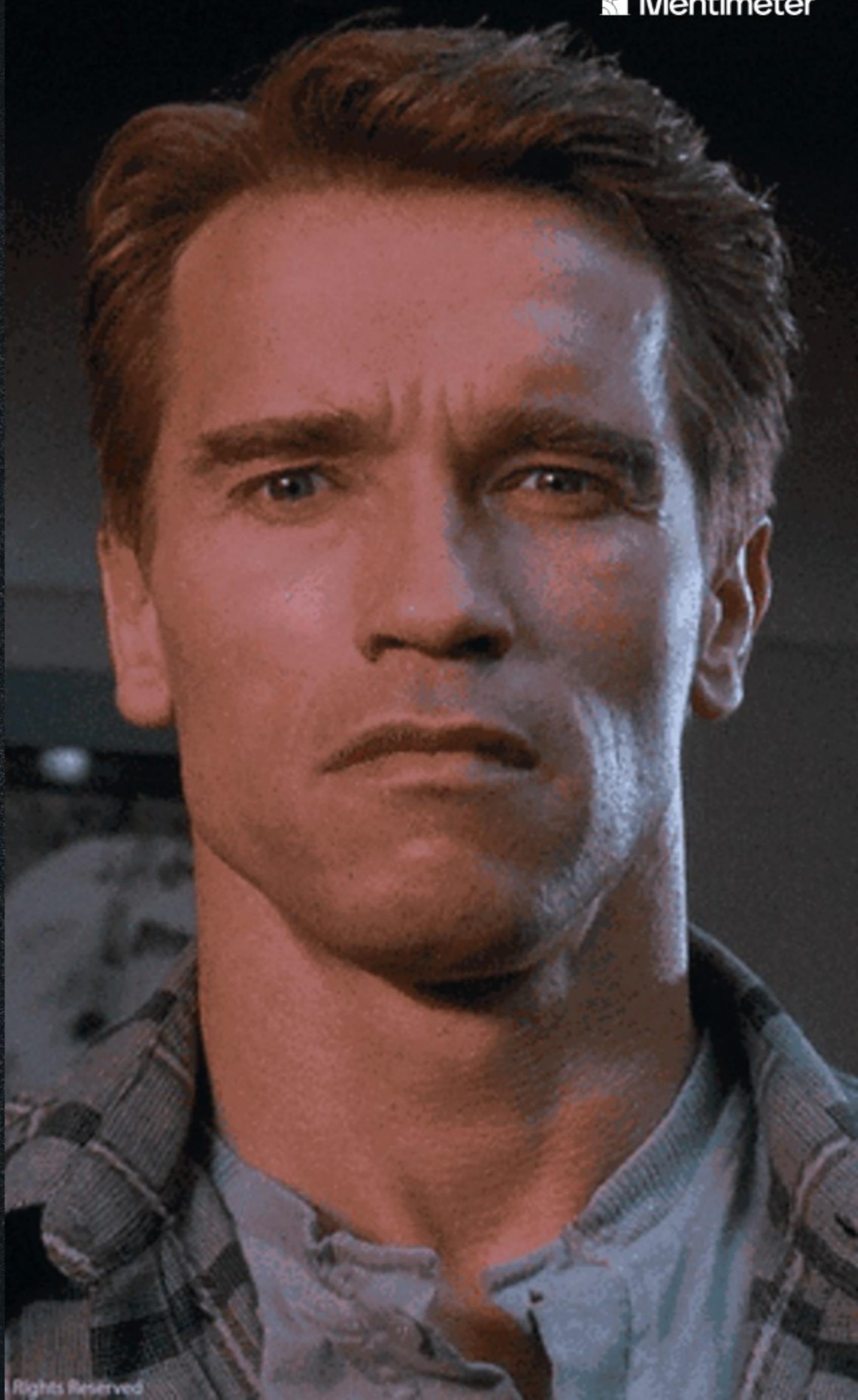
3. Look through the quizzes on every passed topic, those questions are very alike to what you will get on test. Also questions may sound like (interchange \principle with \design-pattern):

- how would the principle\design-pattern improve...
- what are the benefits of the principle\design-pattern...
- how the principle\design-pattern would influence on app...
- choose which of the following describes the principle\design-pattern...
- choose which of the following are the benefits of the principle...
- what is the main benefit of the principle...
- choose common part of two principles...
- what is the most important goal of the principle...
- what of the following violates the principle...
- what is true\false about the principle...
- AND few more specific questions asked on top of an abstract

Quick access

[https://github.com/AndreiRohau/
tpu-design-patterns-09-2024](https://github.com/AndreiRohau/tpu-design-patterns-09-2024)

Total Recall



1st part

- Information Expert, Low Coupling, and High Cohesion
- SOLID: SRP, OCP, LSP, ISP, DIP
- Inversion of Control (IoC) and Dependency Injection (DI)
- MVC
- YAGNI (You Aren't Gonna Need It)
- KISS (Keep It Simple, Stupid)
- DRY / DIE (Don't Repeat Yourself / Duplication is Evil)
- Code Smells and How to Reduce Them

2nd part

- Basic Patterns: Immutable Object
- Basic Patterns: Singleton, Factory Method, and Abstract Factory
- Basic Patterns: Facade
- Convenient Patterns: Command
- Convenient Patterns: Observer
- Convenient Patterns: Builder
- Convenient Patterns: Visitor
- Advanced Patterns: Proxy, Adapter, Decorator, and Bridge
- Advanced Patterns: Chain of Responsibility
- Advanced Patterns: Strategy

Finally

- Use tips to prepare for the exam
- Reach out if facing issues or having questions\concerns
- Do not forget to visit exam

Well...

Thanks for you attention!

Wishing you a good luck!

Q&A part

0 questions
0 upvotes