

Assignment Project Exam Help

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Overview of today

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-
- <https://eduassistpro.github.io>
- Then we'll have a big break.
- Then the lab can be used for asking tutors questions, everything and the assessed exercise.

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Overview of this talk

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- I have no idea what's in the exam.
- Really, not a clue.



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- The course was about:

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- JVM
- Coupling and Cohesion
- Design Patterns
- Testing
- (Am I missing anything?)

Coupling and cohesion

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- Coupling and cohesion are two software quality metrics, and are

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- You can *apply* your knowledge to sp
the wild.

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- They're also common job interview questi
companies.

What is coupling?

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- Can you name different types of coupling? You've seen at least a few in the labs.

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What is coupling?

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- The book says there are the following types of coupling:



- Data

- Routine call

- Inclusion/import

- External

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What is cohesion?

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- Can you name different types of cohesion? You've also seen at least a few in the labs.

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What is cohesion?

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- The book says there are the following types of cohesion:

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- Sequential

- Procedural

- Temporal

- Utility

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Describe cohesion

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Compare types of cohesion

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Design Patterns

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- Design patterns are a key part of “lower level” software

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- You can *contrast* and *evaluate* different design patterns and solutions.

- They're also common job interview questions at many companies.

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What is a Design Pattern?

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- Why is each element important?

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What is a Design Pattern?

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- The book says:

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- Solution

- Antipatterns

- Related patterns

- References

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Describe a Design Pattern

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What are Patterns Good For?

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Compare Two Patterns

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Apply a Design Pattern

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- We are modelling staff members in a University
- All staff members have a name and an employee number.

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may conduct a PhD viva, and only a Senior Lec
this.

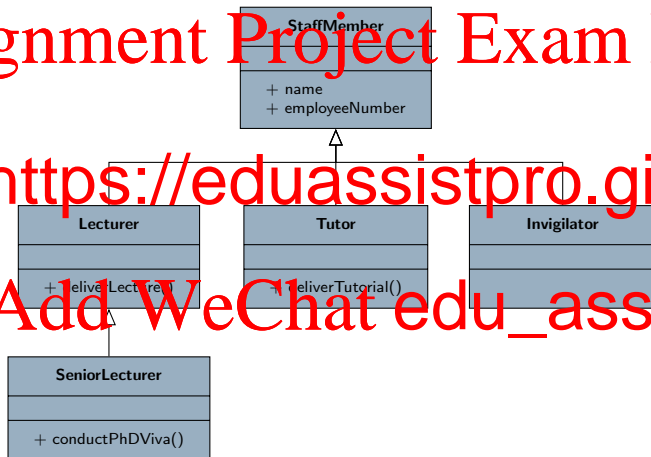
- Some staff members may be Tutors. A Tutor
tutorial, and only a Tutor may do this.
- Some staff members may be Invigilators. An Invigilator may
supervise an exam, and only an Invigilator may do this.

Apply a Design Pattern

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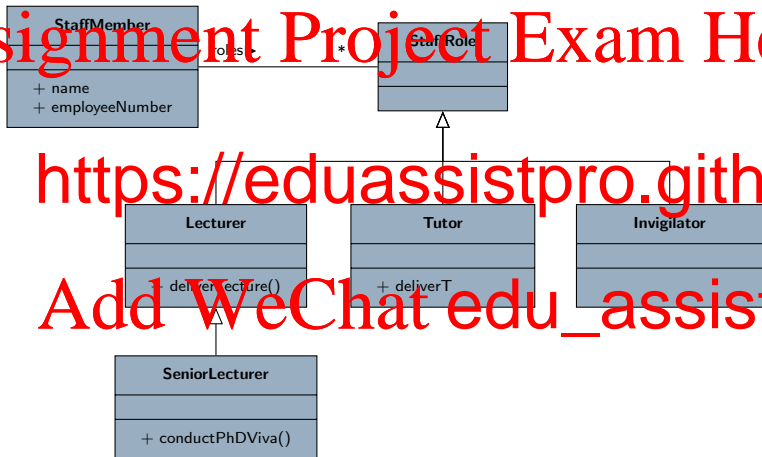
Apply a Design Pattern

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duties over the course of their careers. . .

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Apply a Design Pattern



Deliberately Awkward Interview Question

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Deliberately Awkward Interview Question

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Officers may be Field Trip Leaders. Field Tri
a field trip, and only Field Trip Leaders may do s

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And all the stuff I left out...

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- If I've missed out something you really hoped would be covered come talk to me in the lab.

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