

Modeling and Object UML Class Diagram

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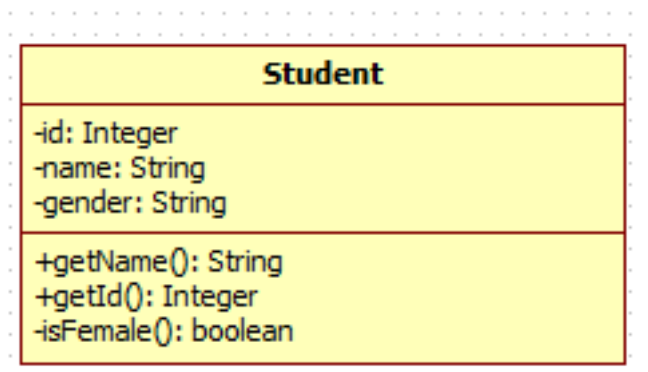
4. Chapter: Class Diagram

1. Class Diagram Questions

4.1.1. What is true about the following class Student depicted using UML?

Author: JavaChamp Team

What is true about the following class Student depicted using UML?



Please choose all the answers that apply:

- the attribute "id" is privately accessed
- the attribute "id" is publicly accessed
- getName, getId and isFemale are all attributes in class Student
- getName accepts a parameter of type String
- isFemale() is a protected method
- isFemale() is a private method

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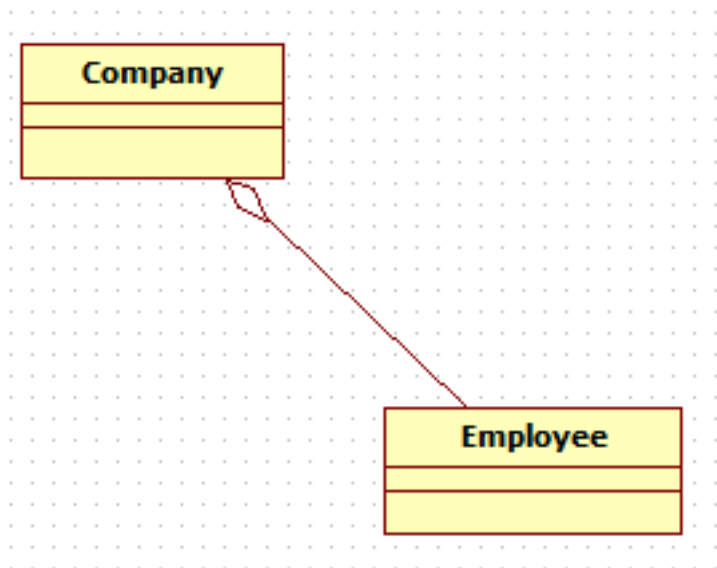
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4.1.2. What is true about the relationship between Company and Employee?

Author: JavaChamp Team

What is true about the relationship between Company and Employee?



Please choose all the answers that apply:

- this relationship is called composition
- this relationship is called aggregation
- Company is the parent class of this relationship
- Employee is the parent class of this relationship
- it means Employee inherits from Company

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Question: [a composite aggregation in class diagram in uml](#)

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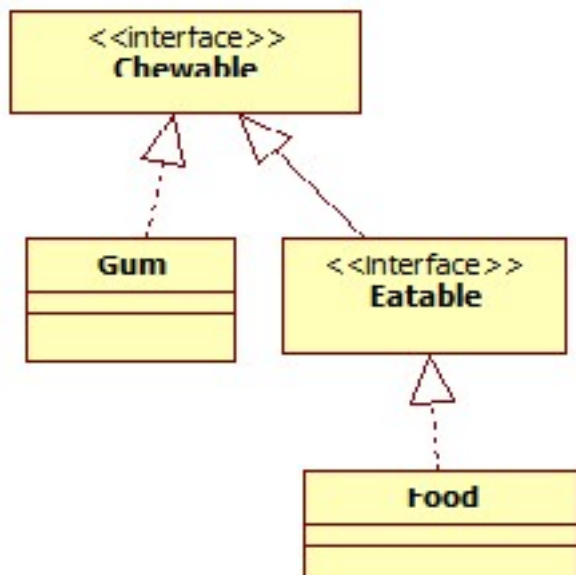
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4.1.3. What best describe the relationships between classes in this class ...

Author: JavaChamp Team

What best describe the relationships between classes in this class diagram?



Please choose only one answer:

- it is a generalization relationship between Food and Eatable
- it is a realization relationship between Food and Eatable
- it is an association relationship between Food and Eatable

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4.1.4. How to set an attribute's visibility (access level) in UML?

Author: JavaChamp Team

How to set an attribute's visibility (access level) in UML?

Please choose only one answer:

- + public, ~package, - protected, # private
- + public, #package, - protected, ~ private
- # public, ~package, + protected, - private
- + public, ~package, # protected, - private

Check the answer of this question online at QuizOver.com:

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4.1.5. What best describe the link between Book and Page?

Author: JavaChamp Team

What best describe the link between Book and Page?



Please choose all the answers that apply:

- it is an aggregation relationship
- it is a composition relationship
- Book is the parent class of this relationship
- it means that Page inherits from Book
- 1 means that a Book can have at least 1 Page
- 1 means that a Page must be part of one Book only

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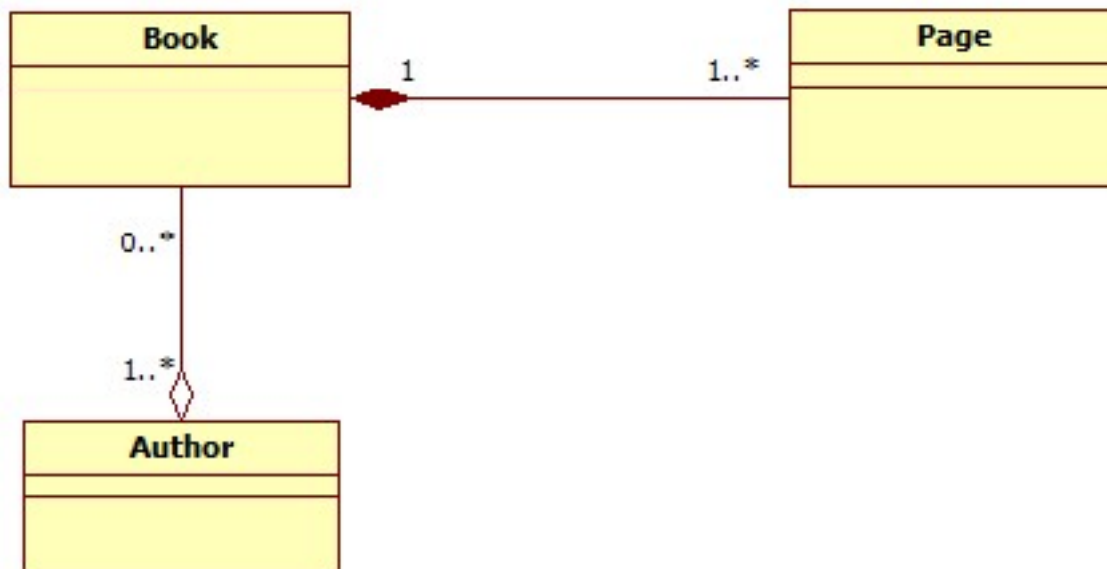
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4.1.6. How the multiplicities of this diagram are interpreted?

Author: JavaChamp Team

How the multiplicities of this diagram are interpreted?



Please choose all the answers that apply:

- a book must have at least one page
- a book can be authored by one author only
- an author must have at least one book
- a page can be part of one or many books
- many books can be authored by the same author

Check the answer of this question online at QuizOver.com:

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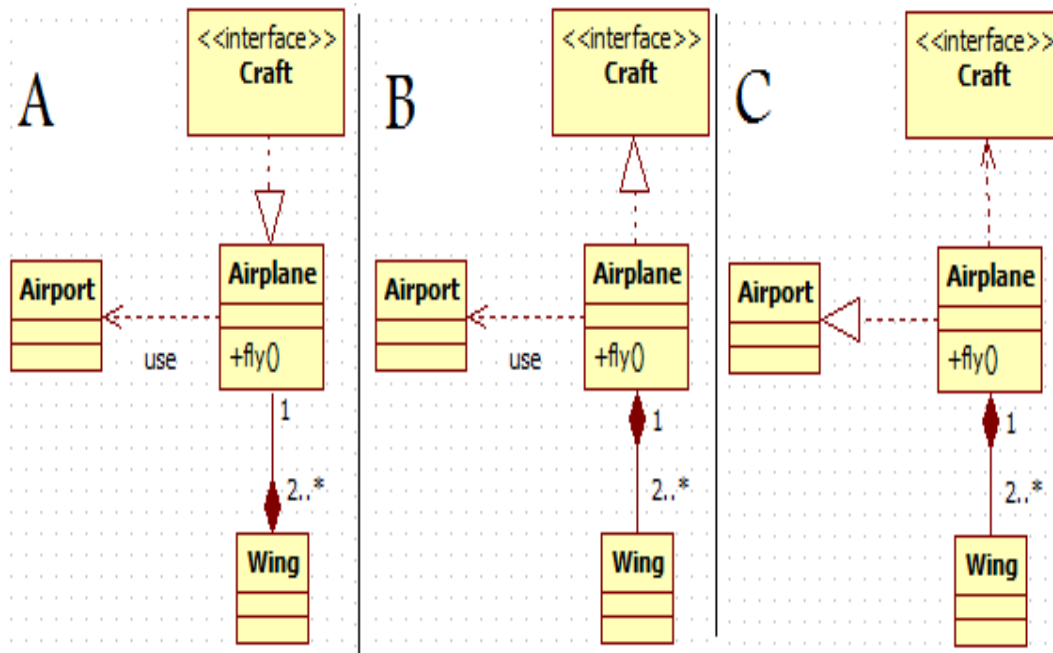
4.1.7. Class Airplane is a Craft, that has Wings. It uses Airport to fly.

...

Author: JavaChamp Team

Class Airplane is a Craft, that has Wings. It uses Airport to fly.

Which diagram best depicts class Airplane?



Please choose only one answer:

- A
- B
- C

Check the answer of this question online at QuizOver.com:

Question: [how to depict a class in a class diagram in uml?](http://www.quizover.com/question/how-to-depict-a-class-in-a-class-diagram-in-uml?pdf=3044)

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4.1.8. What is an association class?

Author: JavaChamp Team

What is an association class?

Please choose only one answer:

- an association class is a term used to distinguish the parent class of an association
- an association class is a class introduced to carry attributes and operations of an association between two classes.
- an association class is a class introduced to replace a one-to-one association between two classes

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4.1.9. What are Class Diagrams used for?

Author: JavaChamp Team

What are Class Diagrams used for?

Please choose only one answer:

- to depict the dynamic interaction between classes
- to model the static structure of your system
- to diagnose your system vulnerabilities

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4.1.10. What are the differences/similarities between an aggregation and a ...

Author: JavaChamp Team

What are the differences/similarities between an aggregation and a composition?

Please choose all the answers that apply:

- both represent a subclassing relationship
- both represent an ownership relationship
- aggregation is stronger than composition in terms of life cycle dependency between the involved classes
- in a composition relationship, deleting the instance of the owner (container) class would result in deletion of the instances of the contained class

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