

# Final Project 11.02

Group 3

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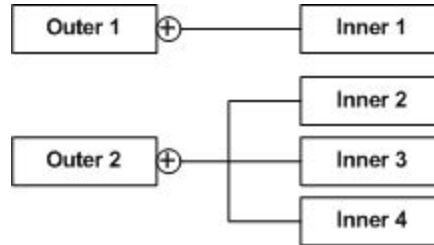
# Problems

1. Constructor
2. Inner class
3. Package
4. Default visibility
5. Enumeration
6. Relationship
7. Methods and attributes
8. Annotation

# Constructor

```
+<<constructor>> ConfigurationPropertiesBindException(bean: ConfigurationPropertiesBean, cause: Exception)
```

# Inner Class



source from: [Allen Holub's UML Quick Reference](#) |  
[Allen Holub](#)

# Package

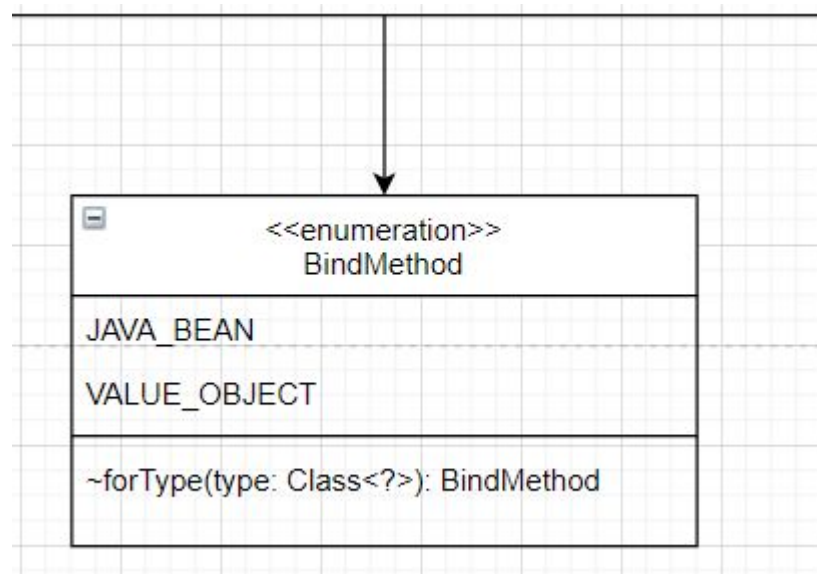
- How to divide
- E.g., web

# Default Visibility

Access Levels				
Modifier	Class	Package	Subclass	World
public	Y	Y	Y	Y
protected	Y	Y	Y	N
<i>no modifier</i>	Y	Y	N	N
private	Y	N	N	N

source from: [Controlling Access to Members of a Class \(The Java™ Tutorials > Learning the Java Language > Classes and Objects\) \(oracle.com\)](#)

# Enumeration



# Relationship

- Dependency
- Association
- Aggregation
- Composition
- Generalization



# Methods & Attributes

Should we list all the methods and attributes?

Or just list what we think is important?

# Annotation

- What will be the effect of annotation
  - The common **interface** extended by all annotation types.
- <A extends Annotation>
  - Returns the annotation type of this annotation

```
private static <A extends Annotation> MergedAnnotation<A> findMergedAnnotation(AnnotatedElement element,
    Class<A> annotationType) {
    return (element != null) ? MergedAnnotations.from(element, SearchStrategy.TYPE_HIERARCHY).get(annotationType)
        : MergedAnnotation.missing();
}
```

source from: [Annotation \(Java SE 9 & JDK 9 \)](https://docs.oracle.com/javase/9/annotation/annotation-annotation-annotation.html)  
[\(\[oracle.com\]\(https://docs.oracle.com/javase/9/annotation/annotation-annotation-annotation.html\)\)](https://docs.oracle.com/javase/9/annotation/annotation-annotation-annotation.html)