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**Politecnico di Milano**

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**Software Engineering 2 project**

**Code Inspection**

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**Summary**

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# Classes and methods assigned

## Main Class:

*InterceptorManager* (appserver/ejb/ejb-container/src/main/java/com/sun/ejb/ containers/interceptors/InterceptorManager.java)

## Other Classes:

These classes are defined in the same file of the InterceptorManager’s class.

* AroundInvokeInterceptor
* BeanAroundInvokeInterceptor
* CallbackInterceptor

## Methods:

* load2xLifecycleMethods( ArrayList < CallbackInterceptor > [ ] metaArray )
* loadOnlyEjbCreateMethod( ArrayList < CallbackInterceptor > [ ] metaArray , int numPostConstructFrameworkCallbacks )
* AroundInvokeInterceptor( int index , Method method )
* intercept( final InterceptorManager . AroundInvokeContext invCtx ) *in AroundInvokeInterceptor class*
* intercept( final InterceptorManager . AroundInvokeContext invCtx ) *in CallbackInterceptor class*
* CallbackInterceptor( int index , Method method )

# Functional role of the assigned classes

# List of issues

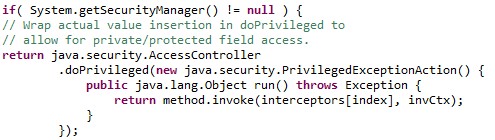
## Naming conventions

There are no relevant issues in this section. However, all the classes, methods and variables names are meaningful only to someone with a specific knowledge and comprehension of the scope and the tasks accomplished by the code. It could have been helpful to clarify the role of such elements with additional comments and/or documentations.

## Indention

### Intercept in AroundInvokeInterceptor

The following *return* statement is not aligned:

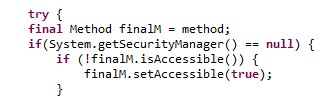


### Intercept in CallbackInterceptor

The same as above.

### CallbackInterceptor

The code inside the *try* statement is not aligned:



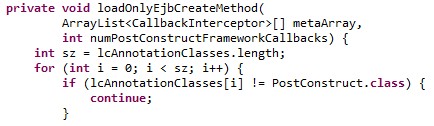
## Braces

There are no relevant issues in this section.

## File Organization

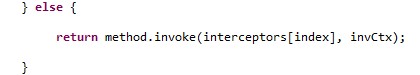
### LoadOnlyEjbCreateMethod

The variables declaration in this method might be separated from the rest of the code (the *for* block) in order to improve readability.



### Intercept in AroundInvokeInterceptor

In the *else* block there are two unnecessary blank lines.



### Intercept in CallbackInterceptor

There is an extra unnecessary blank line.

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## Wrapping Lines

### Load2xLifecycleMethods

Line break after a parenthesis is not recommended. We recommend to break the line after *pre30LCMethodNames[i].*

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Line break should occur before the operator.

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### LoadOnlyEjbCreateMethod

Line break after a parenthesis is not recommended.

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## Comments

There are only a few comments in the entire class and almost no documentation. Also, such comments do not describe at all what the code is doing but they are simply notes for the developer himself.

## Java source file