

Overview of AOP

Aspect Oriented Programming
instead of objects we focus on aspects, which modularize particular concerns which cut across multiple classes

Cross Cutting Concerns

- Database access
- data entities
- error handling
- logging

AOP and CCC help reduce code redundancy by transferring responsibility of these common problems to aspects

AOP Terms:

Aspect: representation of a CCC

Weaving: processing of linking all the objects and aspects

Join Points: specific moment in program execution

- When actions should be taken

Advice: the actions taken at Join Points

- In java these are just methods

Pointcut: the definition of join points

AspectJ and Spring AOP

AspectJ is a style of declaring Aspects in Java

- It uses Java classes and annotations
- Spring AOP uses AspectJ 5 annotations
- Spring provides a custom so it is only using annotations

Spring AOP is a Spring Module utilizes AspectJ to easily implement AOP principles