SOEN 387 Web-based Enterprise Application Design

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New Patterns, Old Responsibilities

Factories Cascades and Triggers Folder Structure

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Outline

New Patterns, Old Responsibilities

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New Patterns, Old Responsibilities Domain Object Factories

Factories Cascades and Triggers Folder Structure

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Creation Responsibilities Using Factories

- Creating objects can often be complex
- Imagine creating a new Facebook user, also create walls, galleries, etc.
- ► In General, creation logic happens here

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Domain Object Factories

- We Propose a Factory with createClean and createNew methods
- Commands call createNew, InputMappers call createClean
- Creation logic encapsulated
- Domain Objects no longer need complex/overridden constructors

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Cascades and Triggers in the Domain

- While we can include additional behaviour in the OutputMapper insert/update/delete
- It can be strange to do it there
- We can simplify by having Output Mappers support cascade methods
- One for insert/update/delete
- UoW decides order of calling these on commit
- Means no cycles can happen
- Neatly organizes this sort of logic

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Folder Structure

A quick discussion of suitable approaches

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