JabberPoint Refactoring Report

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Table of changes

	Architectural Problem	Proposed Solution	Reasoning
1.	Naming conventions are not met	Rename variable and method names to meet	Improve code readability, obey
		naming criteria	industry standards
2.	getCurrentSlide() method in Presentation.java accesses the currentSlideNumber field directly instead of using a getter	Use a getter method to access currentSlideNumber field	Improve security of the class
3.	setSlideNumber() method in Presentation.java doesn't check for out of bounds slide number values	Introduce a out of bounds slide number check before updating currentSlideNumber	Bug fix
4.	Names of xml tags of attributes in XMLAccessor.java are defined as static final fields, which might create duplicate code	Move names to an Enum class	Improve maintainability of code, allow for reusing of code
5.	Names of menu items in MenuController.java are defined as static final fields, which might create duplicate code and makes code less readable in general	Move names to an Enum class	Improve maintainability of code, allow for reusing of code, improve readability of code
6.	Some classes have unused empty constructors, which make the code less readable and are useless	Delete unused empty constructors	Improve code readability, declutter code
7.	Style class has a field "styles", which is an Array that contains instances of Style class itself	Move the Styles array, and a static getStyle() method into JabberPoint.java as styles of slides are application wide. All presentations use the same styles	Make architecture less confusing. Remove a circular dependency.
8.	SlideViewerComponent.java and Presentation.java have a circular dependency (SlideViewerComponent has Presentation and vice	Create a clear relationship, where: SlideViewerComponent has Presentation.	Create a clearer and more understandable relationship between elements.
	versa). There is also a confusing relationship with SlideViewerFrame.java	SlideViewerFrame has SlideViewerComponent. Create a method updateSlide() in SlideViewerFrame()	Lower the number of parameters that have to be passed to methods in mentioned classes.
9.	Standing from refactoring 8: KeyController.java is connected to Presentation.java, where as	Connect both controllers to SlideViewerFrame.java. Make their constructors	Make two controllers more unified and understandable.
	MenuController.java is connected to	take the same argument.	Lower the number of parameters that have to

	Presentation.java and SlideViewerFrame.java.	Allow for correct implementation of refactoring 8.	be passed to methods in mentioned classes.

Table of files changed

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Change Number	Files Affected		
	Aggregations		
1.	Accessor.java		
	BitMapItem.java		
	MenuController.java		
	Presentation.java		
	Slide.java		
2.	Presentation.java		
3.	Presentation.java		
4.	XMLAccessor.java		
	XMLTags.java		
5.	MenuController.java		
	MenultemsNames.java		
6.	BitMapItem.java		
	SlideItem.java		
	TextItem.java		
7.	Style.java		
	JabberPoint.java		
8.	JabberPoint.java		
	SlideViewerComponent.java		
	SlideViewerFrame.java		
	MenuController.java		
	KeyController.java		
	Presentation.java		
9.	MenuController.java		
	KeyController.java		
	SlideViewerFrame.java		