OOD Resit

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## About Box

-No changes made

## Accessor

-Removed unused variables DEMO\_NAME and DEFAULT\_EXTENSION

-Split Accessor into AccessorLoadFile interface and AccessorSaveFile interface as the Accessor interface was handling both the load file and save file methods. As a result some classes now implement either AccessorLoadFile OR AccessorSaveFile instead of Accessor

## BitmapItem

-Removed unused constructor BitmapItems()

## DemoPresentation

-Now implements AccessorLoadFile

## JabberPoint

-No changes made

## KeyController

-Simplified code in method key pressed

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## MenuController

-Changed menuItem, fileMenu, viewMenu, helpMenu access modifiers to private as only used in this class.

-Created interface called MenuControlButtons for all static variables.

-Renamed variable parent to parentFrame for readibility and made it final.

-Renamed method mkMenuItem to getNewMenuItem for readability.

-Added a check in moveToSlide method to make sure requested page is not out of bounds (negative or greater then amount of pages).



## Presentation

-Removed ArrayList object type as is redundant

## Slide

-Removed several redundant casts such as: A screen shot of a computer code

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Into:

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-Removed Vector object type as is redundant

-Removed unused method getSlideItem

## SlideItem

-Removed unused second constructor SlideItem

## SlideViewerComponent

-Removed unused variable serialVersionUID

- Extracted all Static fields into a separate interface called SlideDesign. Placed said interface in the Constants package.

## SlideViewerFrame

-Removed Presentation as an argument in setupWindow as its no longer needed

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## Style

-Added access modifiers to variables that did not have but should. This is done to limit access such as colour.

## TextItem

-Removed unused constructor TextItem

-Removed unused variable EMPTYTEXT

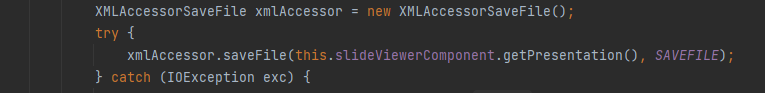
## XMLAccessor

-Removed unused variables DEFAULT\_API\_TO\_USE

-Has been split to XMLAccessorSaveFile and XMLAccessorLoadFile due to the XMLAccessor handling both save and load methods. As a result names have been change in some classes such as in the MenuController class. For example:

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- Extracted all XMLTags into a separate interface called XMLTags. Placed said interface in the Constants package.

# New Implementations

## AboutBox

-Created constants ABOUT\_MESSAGE and ABOUT\_TITLE for the message and title.

-Cleaned up ABOUT\_MESSAGE.

## AccessorLoadFile

-Changed loadFile to take two more exceptions

## BitmapItem

-Renamed variable myStyle to style and image to imageName for better readability.

## DemoPresentation

-Made slide titles constants.

-Moved each slide creation into its own method to improve readability and maintainability.

## JabberPoint

-Split the code in method main into main and loadPresentation for better readibility.

-Change Try Catch to work with updated XMLAccessorLoadFile

-Added error message box method

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## KeyController

-Made slideViewerComponent final

-Added comments



## MenuController

-Separated menu creation into createFileMenu, createViewMenu, and createHelpMenu methods for better modularity.

-Created createMenuItem method for creating menu items with ActionListener.

-Created goToSlideAction method.

-Added Try Catch to every button for better testability.

- Created a method showErrorDialog to handle and display error messages. Similar style to about box.

-Fixed issue of help menu not working.

## Presentation

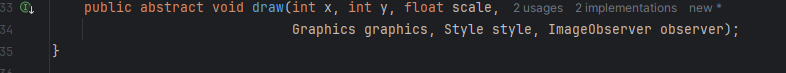
-Added error handling to setSlideNumber

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## SlideItem

-Renamed arguments in method.



## SlideViewerComponent

-Made Font and JFram final

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## TextItem

-Made text final

-In Method getAttributedString used getText().length().

-Split the logic for bounding box and drawing into smaller methods for maintainability.

## XMLAccessorLoadFile

-Abstracted the XML parsing logic into a separate method parseXmlFile for better readability

-Improved exception handling by throwing very specific exceptions and removing the big try catch block.

-Introduced constants for XML tags and error messages to improve readability and maintainability.

-Changed some variable naming’s for better readability.

## XMLAccessorSaveFile

- Abstracted the XML writing logic into smaller methods (writeHeader, writePresentationContent, writeSlide, writeSlideItem, writeFooter) for better readability and maintainability.

-Slightly improved error handling.

- Used constants where possible for XML tags.

-Changed some variable naming’s for better readability.

## NOTE:

With regards to the constants, I believe they are a valid use as they provide clarity and maintainability. In other words its less messy then having them all as static fields in a class.