Week 11 Class Diagrams

Group 5

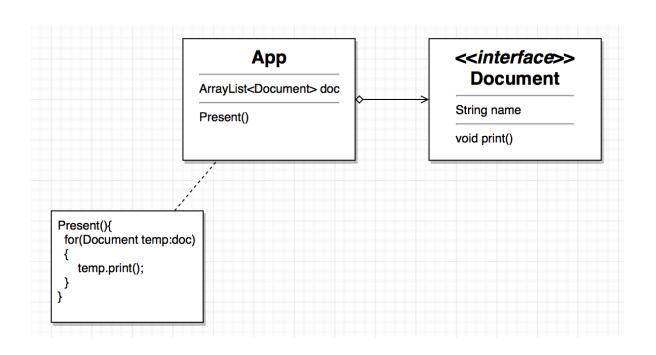
Powerful Document Viewer

Requirements Statements

- A powerful application can present multiple documents at the same time.
- These documents include DrawingDocument, TextDocument, and so on.
- The application is responsible for managing documents and creating them as required.

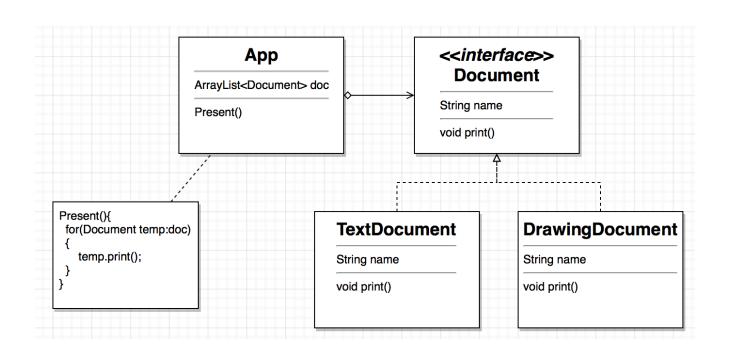
Powerful Document Viewer₁ Initial Design

A powerful application can present multiple documents at the same time.



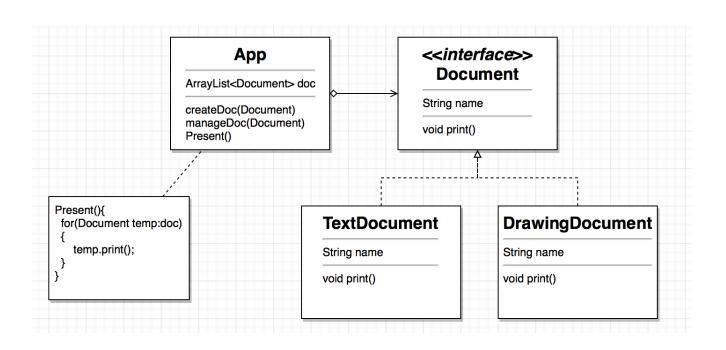
Powerful Document Viewer₁ Initial Design

These documents include DrawingDocument, TextDocument, and so on.



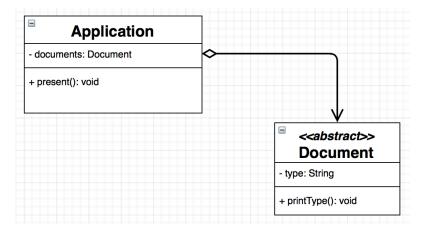
Powerful Document Viewer₃ Initial Design

The application is responsible for managing documents and creating them as required.



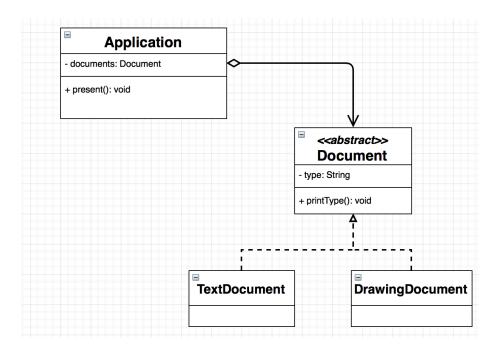
Powerful Document Viewer₁ Refactored Design

A powerful application can present multiple documents at the same time.



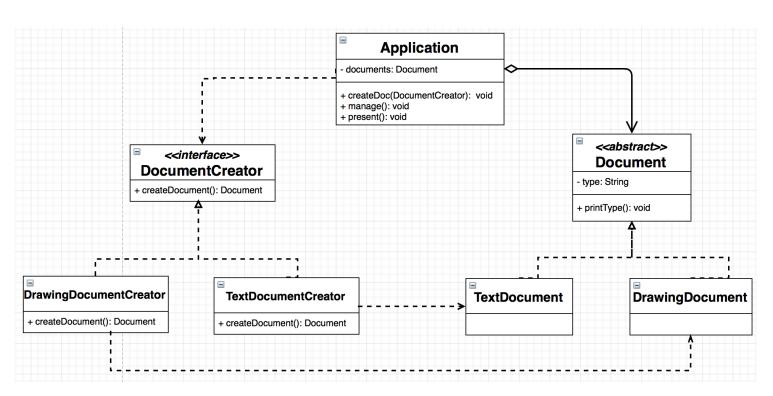
Powerful Document Viewer₂ Refactored Design

These documents include DrawingDocument, TextDocument, and so on.



Powerful Document Viewer₃ Refactored Design

The application is responsible for managing documents and creating them as required.



A GUI Application with Multiple Styles

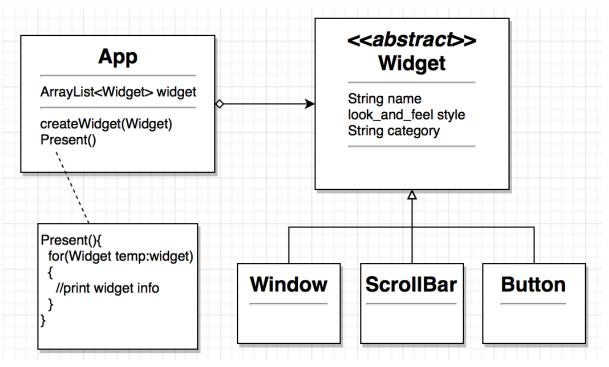
Requirements Statements

- A GUI Application consists of various types of widgets such as window, scroll bar, and button.
- Each widget in the GUI application has two or more implementations according to different look-and-feel standards, such as Motif and Presentation Manager.
- The GUI application can switch its look-and-feel style from one to another while the widgets are being created.

GUI Application₁ Initial Design

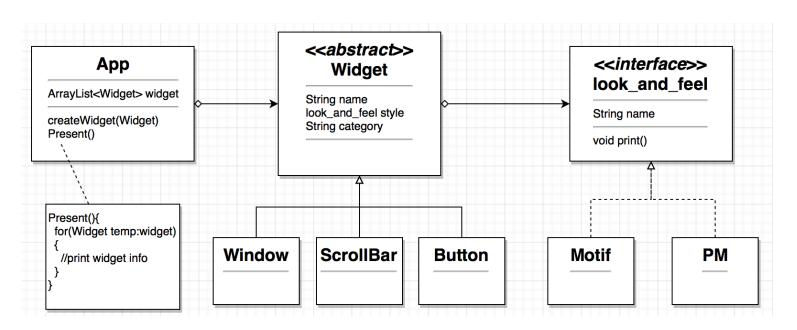
A GUI Application consists of various types of widgets such as window, scroll bar, and

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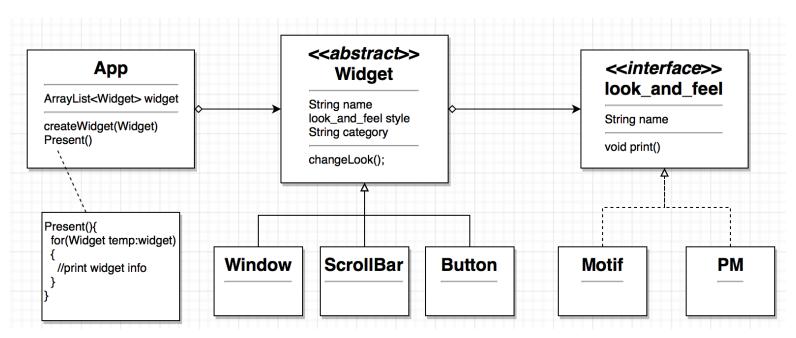
GUI Application₂ Initial Design

Each widget in the GUI application has two or more implementations according to different look-and-feel standards, such as Motif and Presentation Manager.



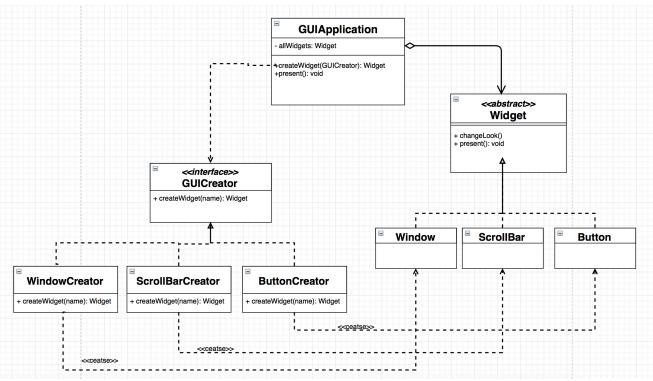
GUI Application₃ Initial Design

The GUI application can switch its look-and-feel style from one to another while the widgets are being created.



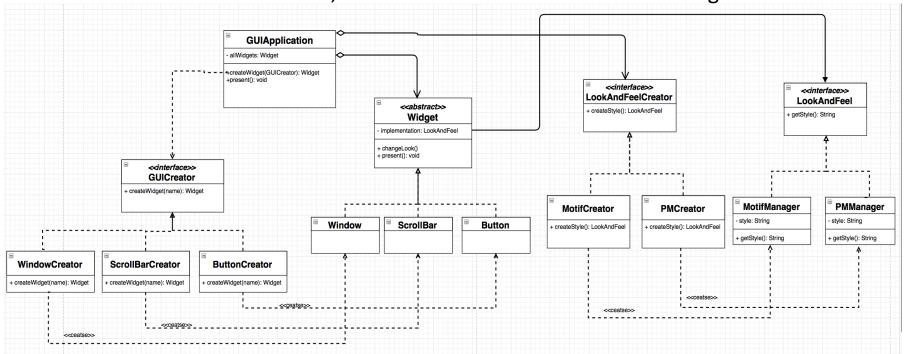
GUI Application₁ Refactored Design

A GUI Application consists of various types of widgets such as window, scroll bar, and button.



GUI Application₂ Refactored Design

Each widget in the GUI application has two or more implementations according to different look-and-feel standards, such as Motif and Presentation Manager.



GUI Application₃ **Refactored Design**

The GUI application can switch its look-and-feel style from one to another while the widgets are being created.

