
Week 11 Class Diagrams

Group 5

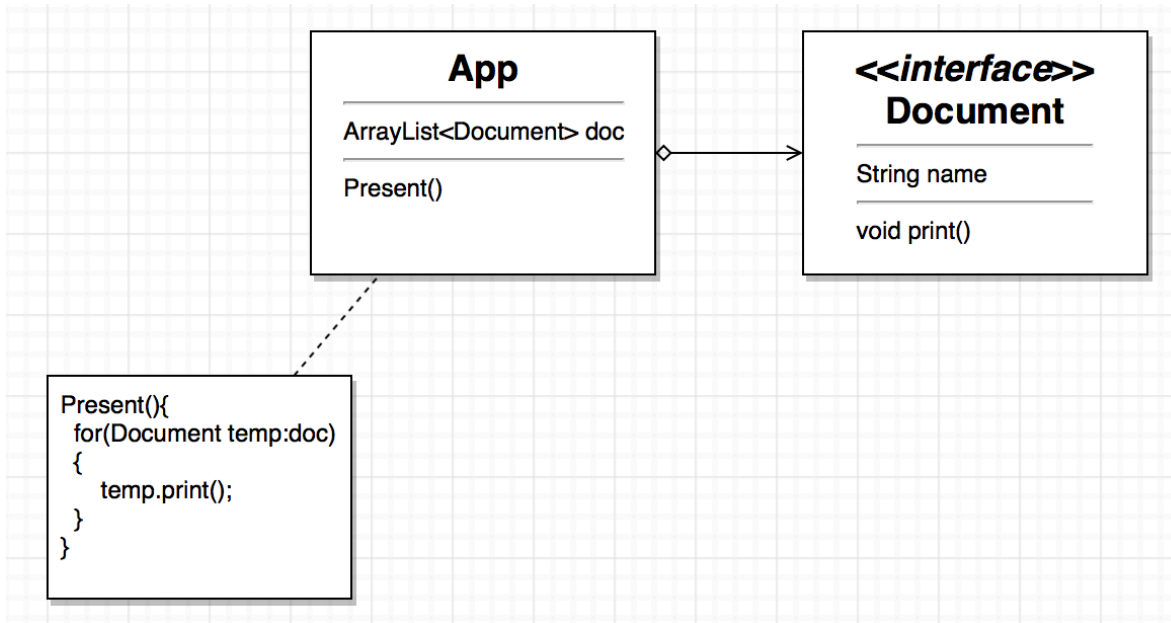
Powerful Document Viewer

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.

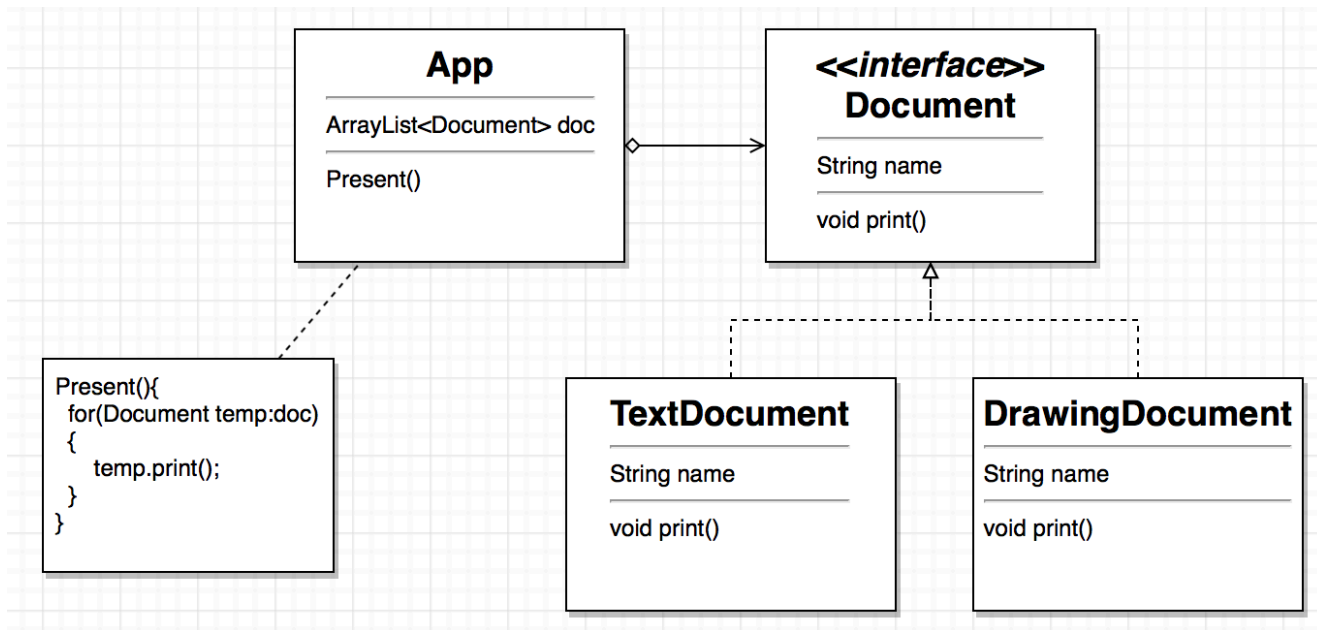
Powerful Document Viewer₁ Initial Design

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



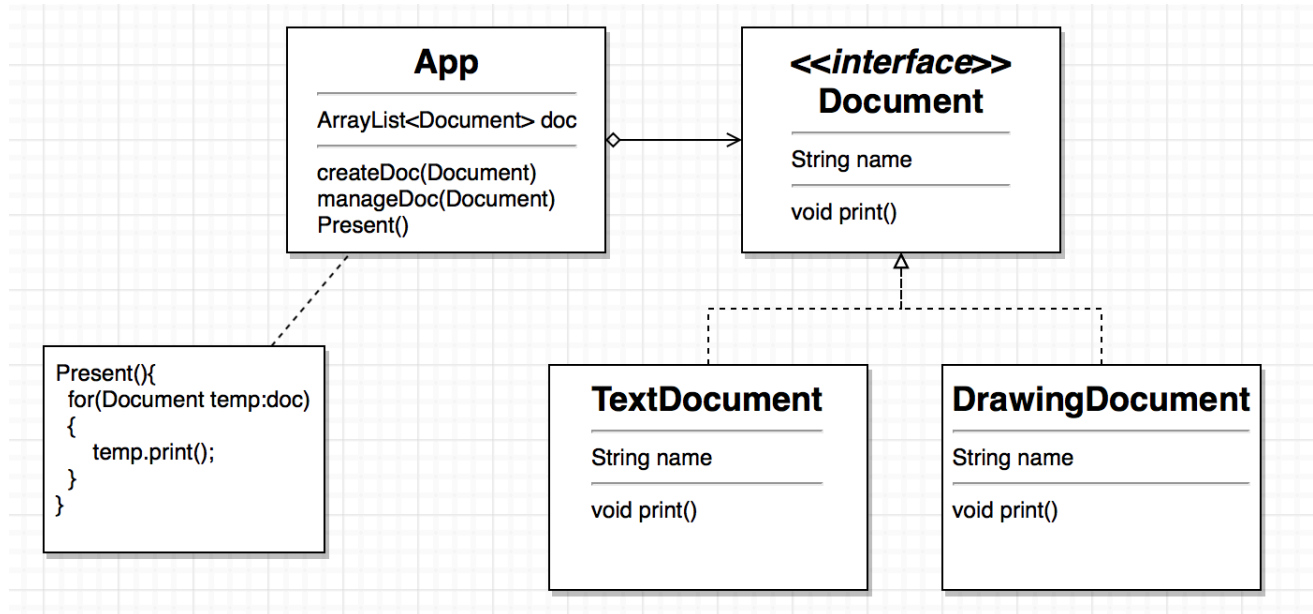
Powerful Document Viewer₁ Initial Design

These documents include DrawingDocument, TextDocument, and so on.



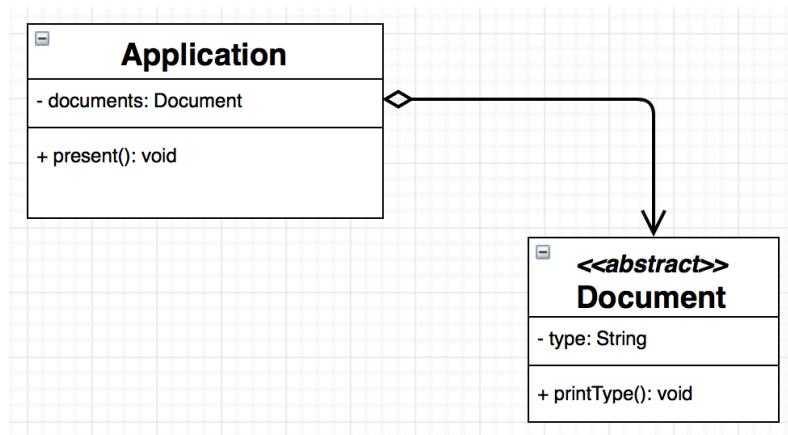
Powerful Document Viewer₃ Initial Design

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



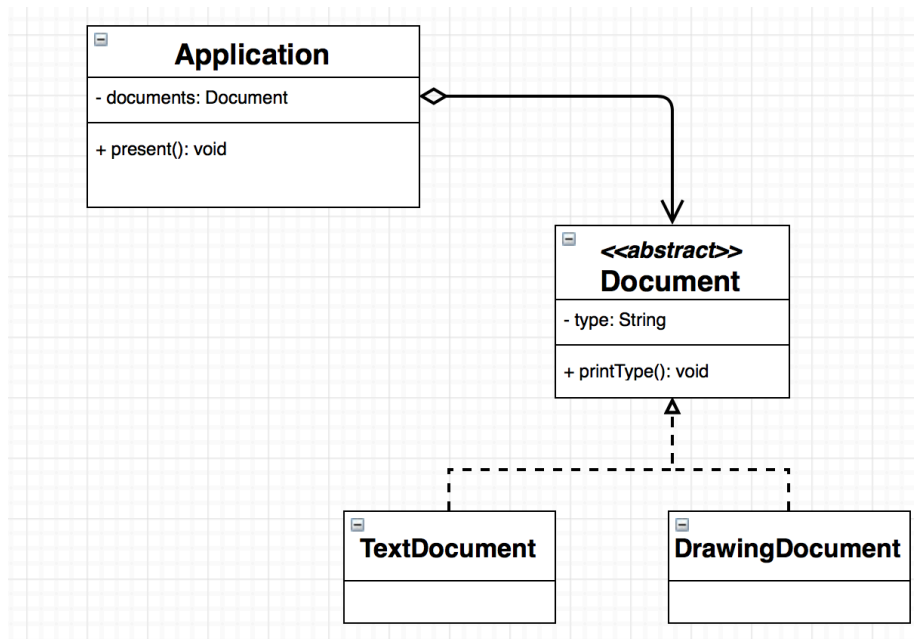
Powerful Document Viewer₁ Refactored Design

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



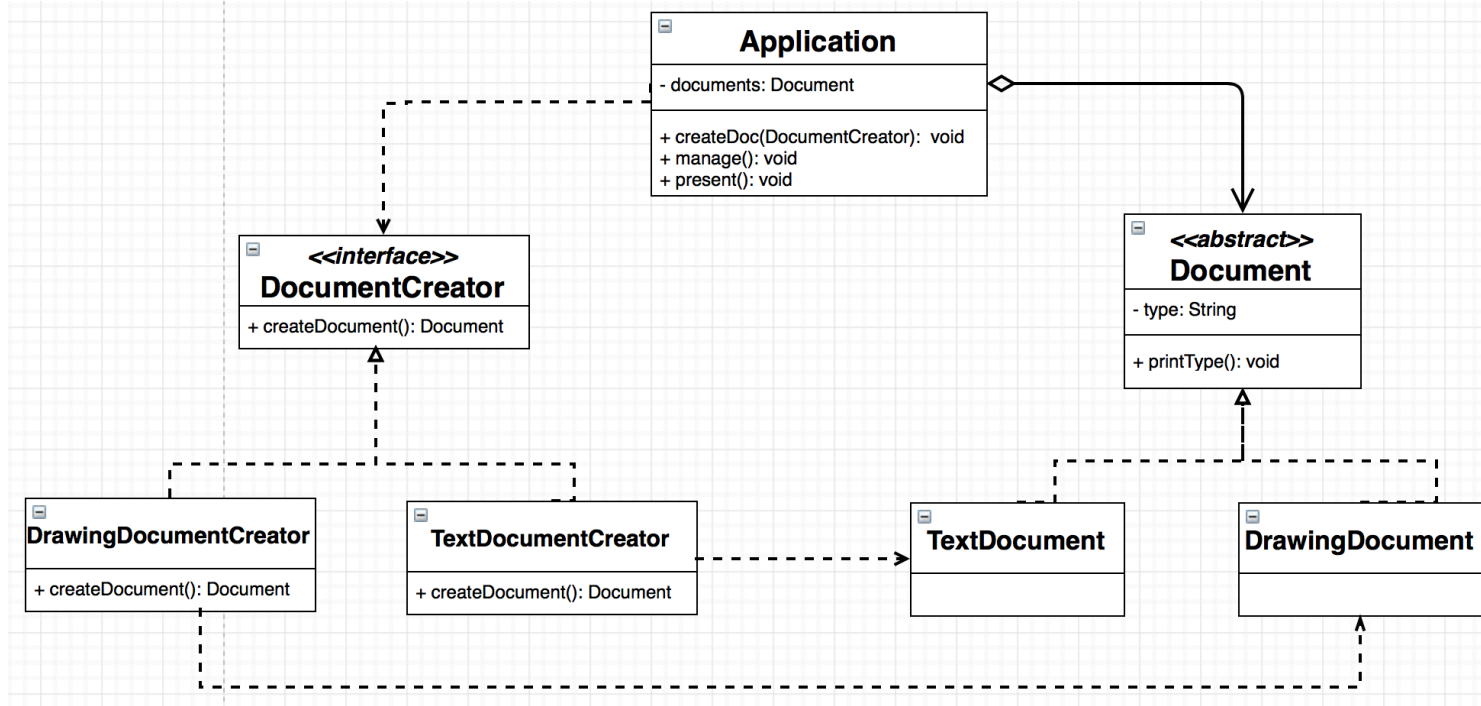
Powerful Document Viewer₂ Refactored Design

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.



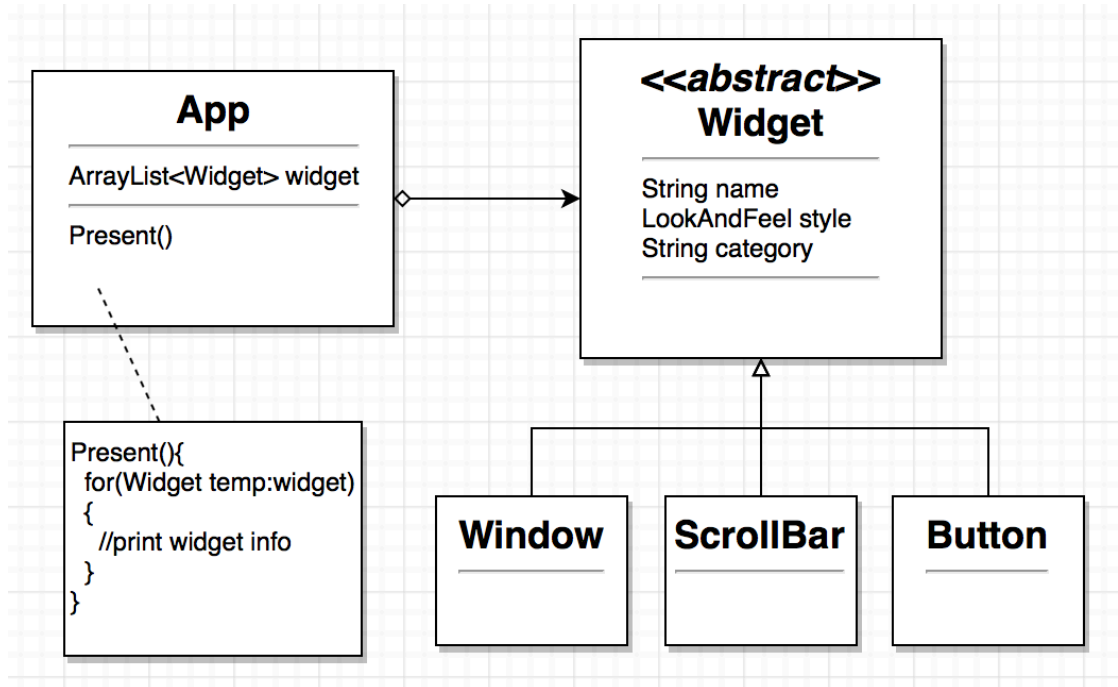
A GUI Application with Multiple Styles

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.

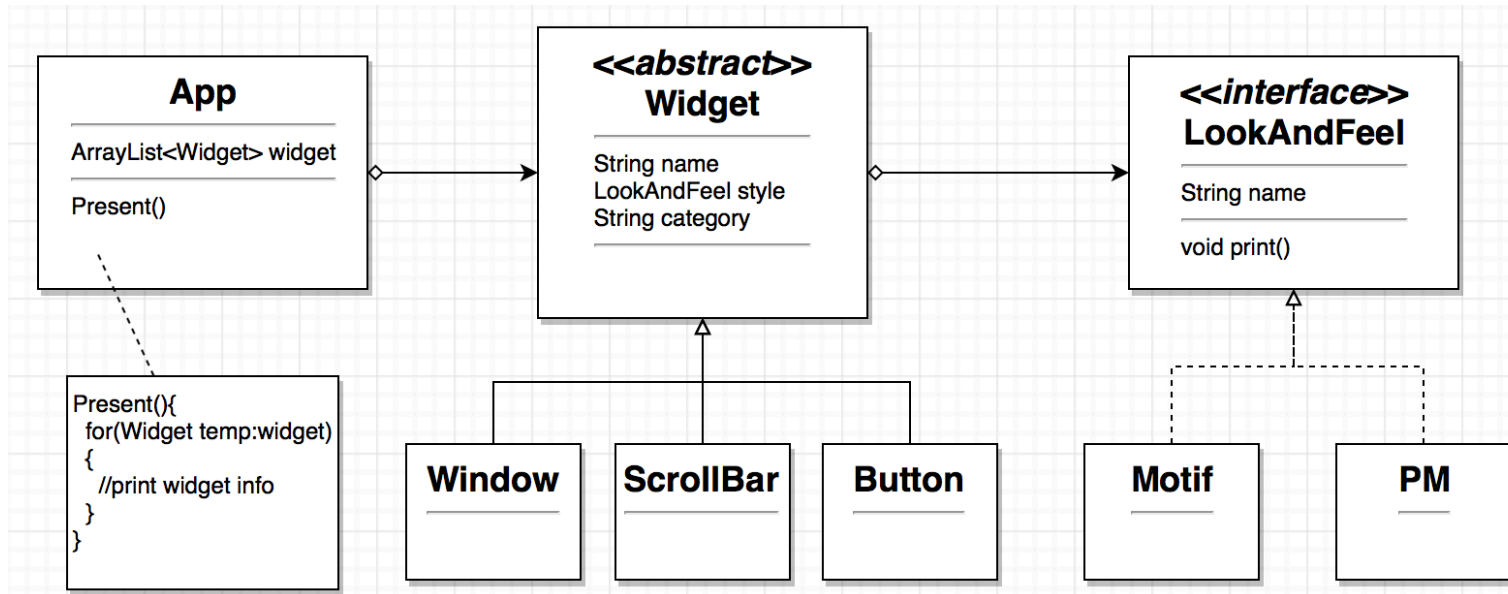
GUI Application₁ Initial Design

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



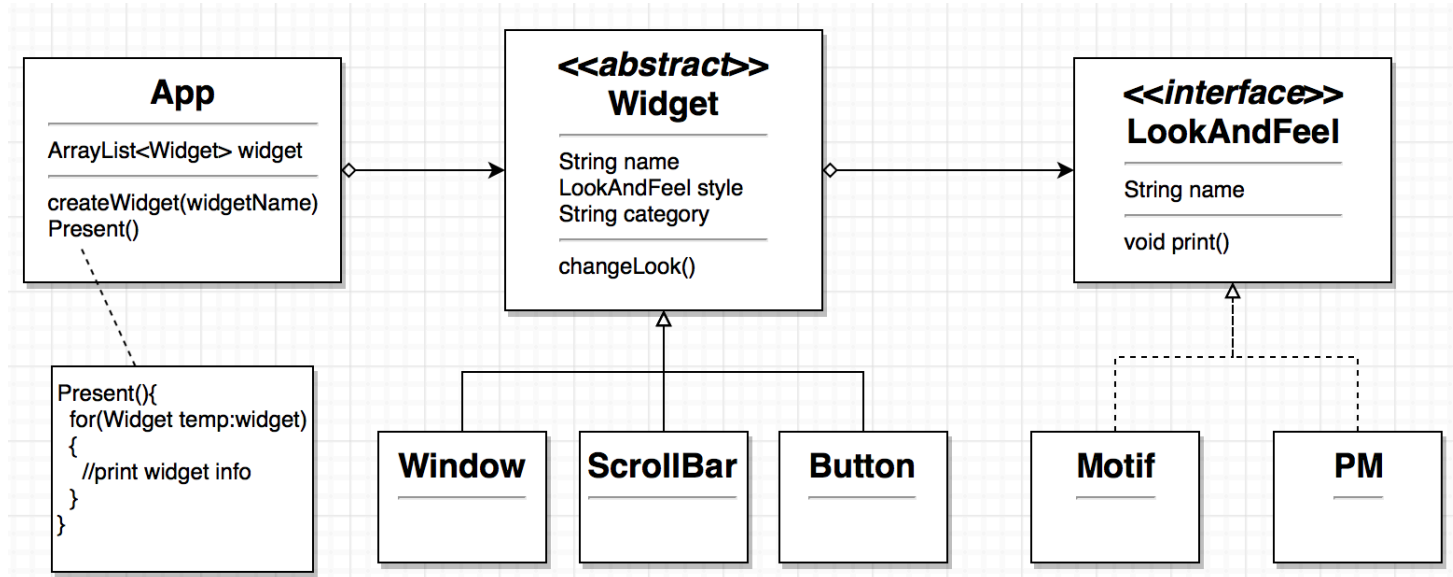
GUI Application₂ Initial Design

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



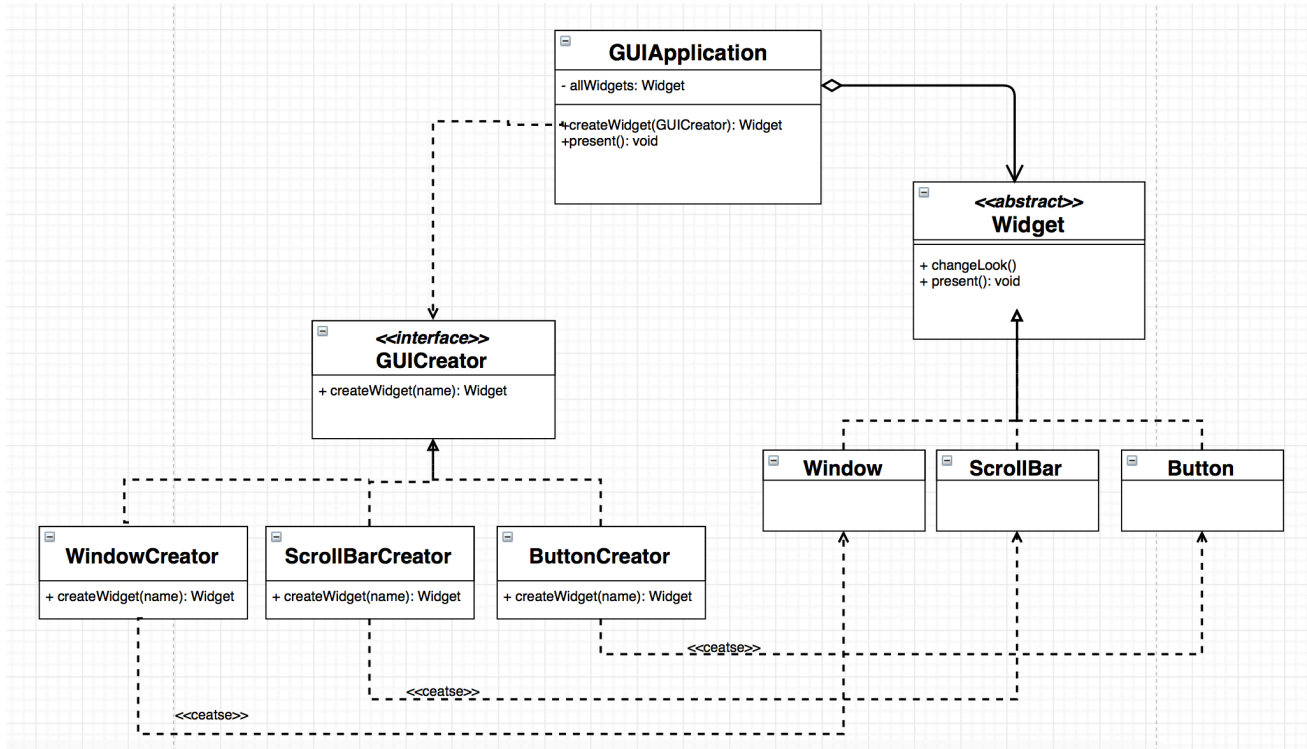
GUI Application₃ Initial Design

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



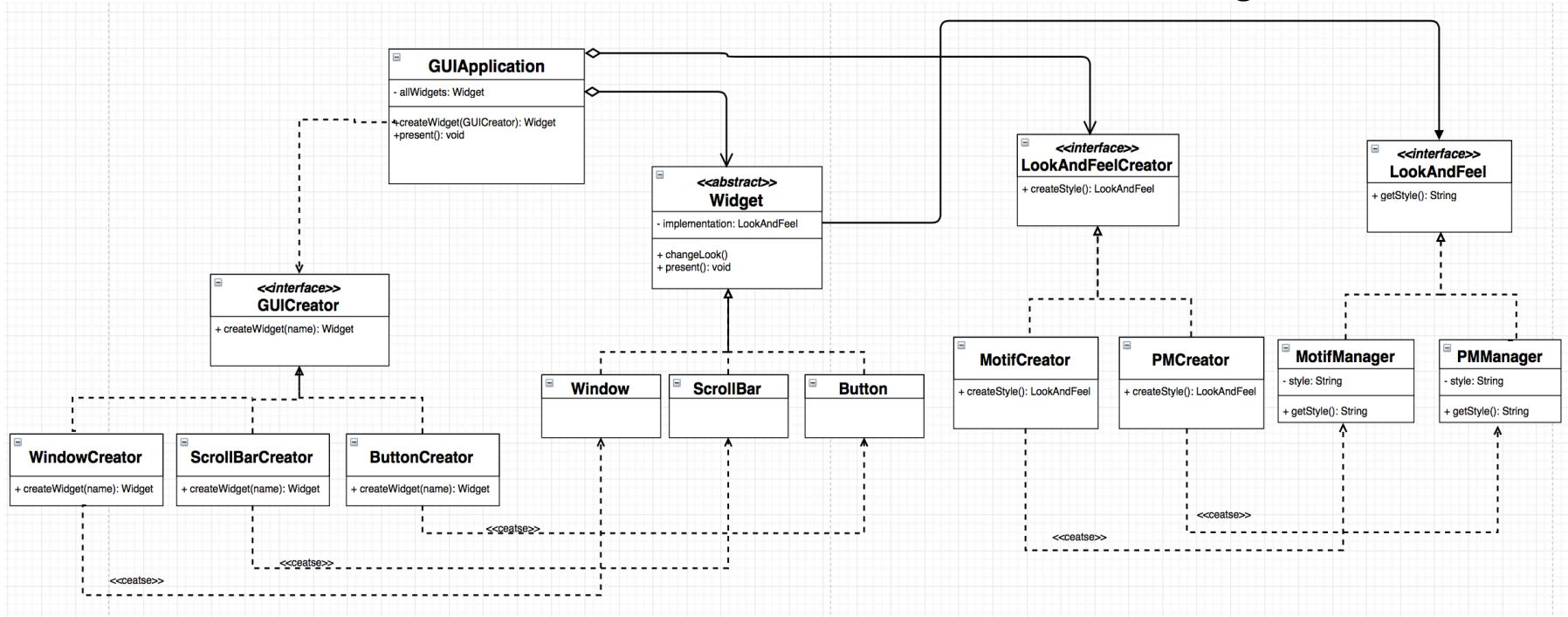
GUI Application₁ Refactored Design

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.

