# Design Patterns:

# Factory:

Code:

Text

Description automatically generated

Text

Description automatically generated  
Location: src/main/java/org/jabref/gui/specialfields/SpecialFieldMenuItemFactory.java

Reasoning:

Due to having optional fields, this implementation of the abstract method implements different specifications of the same object

# Builder:

Code:

Text

Description automatically generated

Text

Description automatically generated

Location: src/main/java/org/jabref/preferences/PreviewPreferences.java

Reasoning:

Multiple construction methods under same method

# Composite:

Code:Text

Description automatically generated

Location: src/main/java/org/jabref/logic/layout/format/CompositeFormat.java  
  
Reasoning:

Enables multiple ways to create a same type of object