**Design Patterns**

The first design pattern: Singleton Class

private BibtexCaseChanger() {  
}

Located in: **jabref > logic > bst > BibtextCaseChanger.java**

A private constructor, as the above, ensures there is only one instance of this class to be produced and exist throughout an application's lifetime and guarantees that a single global point of access exists to it.

The second design pattern: Template Method

*/\*\*  
 \* Base class for export formats based on templates.  
 \*/*public class TemplateExporter extends Exporter {

Located in: **jabref > logic > exporter > TemplateExporter.java**

This class creates a template implementation for all export formats, leaving the implementation to its subclasses.

The third design pattern: Factory Pattern

public class ExporterFactory {

Located in: **jabref > logic > exporter > ExporterFactory.java**

The class implements a factory creation method for the many exports, hiding their implementation behind an interface.

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