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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