**Design patterns**

Design Pattern 1: Open/ Closed

Text

Description automatically generated with medium confidence

Exporter base

Location:

ExporterToMsProjectFile

Graphical user interface, application

Description automatically generated

Location:

Rationale: ExporterBase is the abstract class that is closed and ExporterToMsProjectFile is the class that extends ExporterBase to implement new functionalities avoiding introducing undesirable side effects.

Design Pattern 2: Decorator Design Pattern

The decorator class

Text

Description automatically generated

Location:



Rationale: The decorator is an abstract class that implements Exporter the component interface that defines the common type for all the classes. The StylesheetExporterBase is a concrete decorator that extends ExporterBase the decorator.

Design Pattern 3: Façade

Graphical user interface, text, application, email

Description automatically generated

Location:

Rationale: Façade provides a unified interface to a complex subsystem and that complexity in this case is hidden in TimelineFacade.