Task 2: Creating the Element Type Configuration Model

In order to create a UML profile editor, it is essential that an Element Types Configuration model is created so that Papyrus knows what abstract and concrete syntax in UML can be applied for a given Stereotype.

The Element Types Configuration is Papyrus' extension on GMF's Element Types Configuration Framework. It establishes the links between the Stereotypes defined in the UML profile, and 1) the UML metaclass that the Stereotype extends and 2) the concrete syntax for the UML metaclass that the Stereotype extends.

In this task, you are required to create an ElementTypesConfiguration model based on the UML meatmodel you developed.

Basically an ElementTypesConfiguration model defines, for each element defined in the UML profile:

1. A specialisation type, which specifies the abstract syntax in UML it extends (specialises);
2. A specialisation type, which specifies the concrete syntax in UML it extends (specialises);
3. An Apply Stereotype Advice Configuration, which establishes the link between the element defined in the UML profile and the specialisation type defined in 1).

The ElementTypesConfiguration model conforms to the ElementTypesConfiguration metamodel, which is defined in the Papyrus plug-in org.eclipse.papyrus.infra.types. The class diagram for the ElementTypesConfiguration metamodel is accessible upon request.

Tasks:

1. **Create necessary SpecialisationTypes and a ApplyStereotypeAdviceConfiguration for an arbitrary Stereotype for the Class meta-element.**
2. **Create necessary SpecialisationTypes and a ApplyStereotypeAdviceConfiguration for an arbitrary Stereotype for the Association meta-element.**
3. **If you find no problems with the previous tasks, proceed with all Stereotypes.**

Note: you have 60 minutes to complete this task.