Task 6: Creating the Architecture Model

Since Oxygen, Papyrus introduced the notion of the Architecture model, using which the users are able to define the architecture of their domains, as well as concerns, stakeholders, description languages, viewpoints, etc. Through the Architecture model, the users are able to reference to their UML profiles, element types configuration models, palette configuration models, as well as their CSS custom styles uniformly to specify the architecture of their UML profile editors.

You may find a detailed walkthrough here.

For the Webpage profile, you need to:

1. Create an ArchitectureDomain, as this is the access point of your Architecture model.
2. Create an Concern, this is to model the separated concerns with regard to a domain.
3. Create Stakeholder(s) as you see fit, they should be related to your Concerns.
4. Create an ArchitectureDescriptionLanguage, which is used to describe your architecture. Within your ArchitectureDescriptionLanguage, you need to:

   - reference to your element types configuration model
   - reference to your diagram creation class (new to papyrus)
   - reference to the UML metamodel
   - populate its corresponding attributes

5. Create an ArchitectureViewPoint, which is used to define the viewpoints (similar to perspective in Eclipse) of your UML profile editor.
6. Create a PapyrusDiagram as the representationKind for your ArchitectureDescriptionLanguage, this tells Papyrus that we edit in our editor is a PapyrusDiagram. In your PapyrusDiagram, you need to:

   - define your model rules
   - define your owning rules
   - define your child rules
   - reference to your palette configuration model

Note: You have 40 minutes to complete this task.