ECSE 439 Assignment 2 Report

Connor Fowlie : 260687955

Grégoire Moreau : 260874685

Friday November 2nd 2018

Group A2 6

How to Run

- Using eclipse IDE
- Setup Acceleo Run configuration with settings Project: A2 Main Class: A2.main.Generate Model: /A2/src/A2/main/jucm/~model~.jucm Target: /A2/generated

Output Files

All output files will be set to /A2/Generated. The name of the output file can be configured in generate.mtl in the "fileName" query.

What Went Well

Using multiple templates allowed for us to easily create the necessary components and lay them out correctly. The addition of many small querys allowed for cleaner and more understandable code.

What Didnt Go Well

The largest challenge in this for us was correctly adding beliefs. This was a problem as beliefs are only listed below the main part of graphs within the specDiagrams. We accessed this by looping over the spec diagrams and checking to see if the belief node pointed at the current element, allowing us to insert it in the correct place.

We also had a problem with the objects' classes. We wanted to get the "xsi:type" attribute to see which IntentionalElement was a feature, or what was the type of the links. Fortunately this ws fixed when we heart about the oclIsTypeOf method.

Another small struggle is with trimming whitespace correctly. There are a few places that dont appear to trim correctly even when using the post (trim()) within a template.