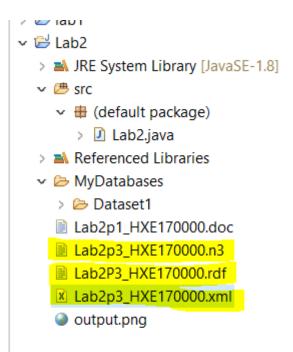
Semantic Web Lab 2 report HXE170000

Goal: Be able to create in-memory and persisted models with Jena. High level design:

- 1. We have dealt with Gruff and Allegrograph.
- 2. Uploaded camera.owl file into gruff and have seen how the things work in gruff.
- 3. Created an in-memory and persisted model with Jena for H.G Wells and his famous 2 books and the movies/broadcast they were was made into and verified the generated model in Gruff.

Steps to run the project:

Import the project as a java project and run it. You will see the following files generated



Following models are generated under MyDatabases/Dataset1

> A JRE System Library [JavaSE-1.8] →

⊕ (default package) > 🗓 Lab2.java > A Referenced Libraries MyDatabases ✓

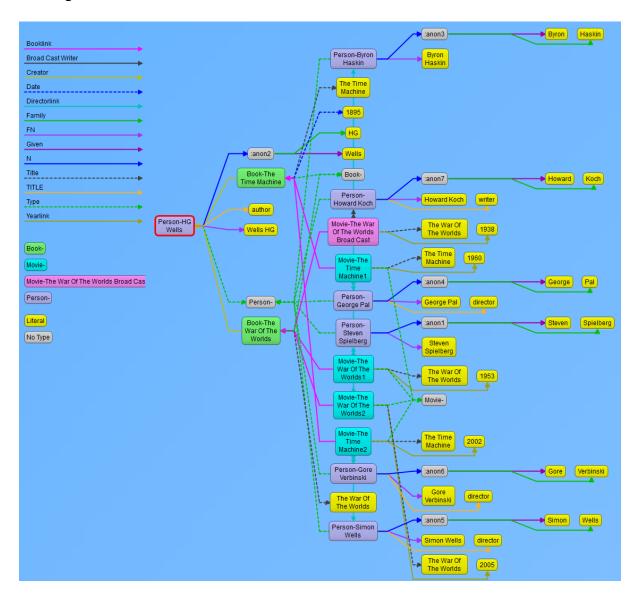
 Dataset1 GOSP.dat GOSP.idn GPOS.dat ■ GPOS.idn GSPO.dat GSPO.idn journal.jrnl node2id.dat node2id.idn nodes.dat OSP.dat OSP.idn OSPG.dat OSPG.idn POS.dat POS.idn POSG.dat POSG.idn prefix2id.dat prefix2id.idn prefixes.dat prefixldx.dat prefixldx.idn SPO.dat SPO.idn SPOG.dat SPOG.idn ■ Lab2p1_HXE170000.doc

lab2p3_HXE170000.n3

The XML output is as follows

e	Content
?⊰ xml	version="1.0" encoding="UTF-8"
■ rdf:RDF	
@ xmlns:rdf	http://www.w3.org/1999/02/22-rdf-syntax-ns#
@ xmlns:dc	http://purl.org/dc/elements/1.1/
® xmlns:vcard	http://www.w3.org/2001/vcard-rdf/3.0#
® xmlns:j.0	http://utdallas/semclass#
✓ e j.0:Movie-	
® rdf:about	http://utdallas/semclass#Movie-TheWarOfTheWorlds2
e dc:title	The War Of The Worlds
e j.0:yearlink	2005
✓ e j.0:directorlink	
✓ ■ j.0:person-	
® rdf:about	http://utdallas/semclass#person-StevenSpielberg
e vcard:FN	Steven Spielberg
✓ e vcard:N	
® rdf:parseType	Resource
vcard:Given	Steven
vcard:Family	Spielberg
e vcard:TITLE	director
> e j.0:booklink	
✓ e j.0:Movie-	
® rdf:about	http://utdallas/semclass#Movie-TheWarOfTheWorlds1
e dc:title	The War Of The Worlds
e j.0:yearlink	1953
> e j.0:directorlink	
> e j.0:booklink	
> e j.0:Movie-	
> ■ j.0:Movie-	
> @ j.0:Movie-TheWarOfTheWorldsBroadCast	

Model generated:



Conclusion: Learnt about gruff, allegro and visualizing the data model we create