



Modeling the Structure & Processes of an online-shop

Set-Up and Showcase an E-Commerce system using ARIS 9.6/Express

goto:

[https://github.com/EIS-Bonn/MA-INF3232-Lab/tree/master/SomSem2014/Group%20K%20\(ModellingEIS_Orlandi\)](https://github.com/EIS-Bonn/MA-INF3232-Lab/tree/master/SomSem2014/Group%20K%20(ModellingEIS_Orlandi))

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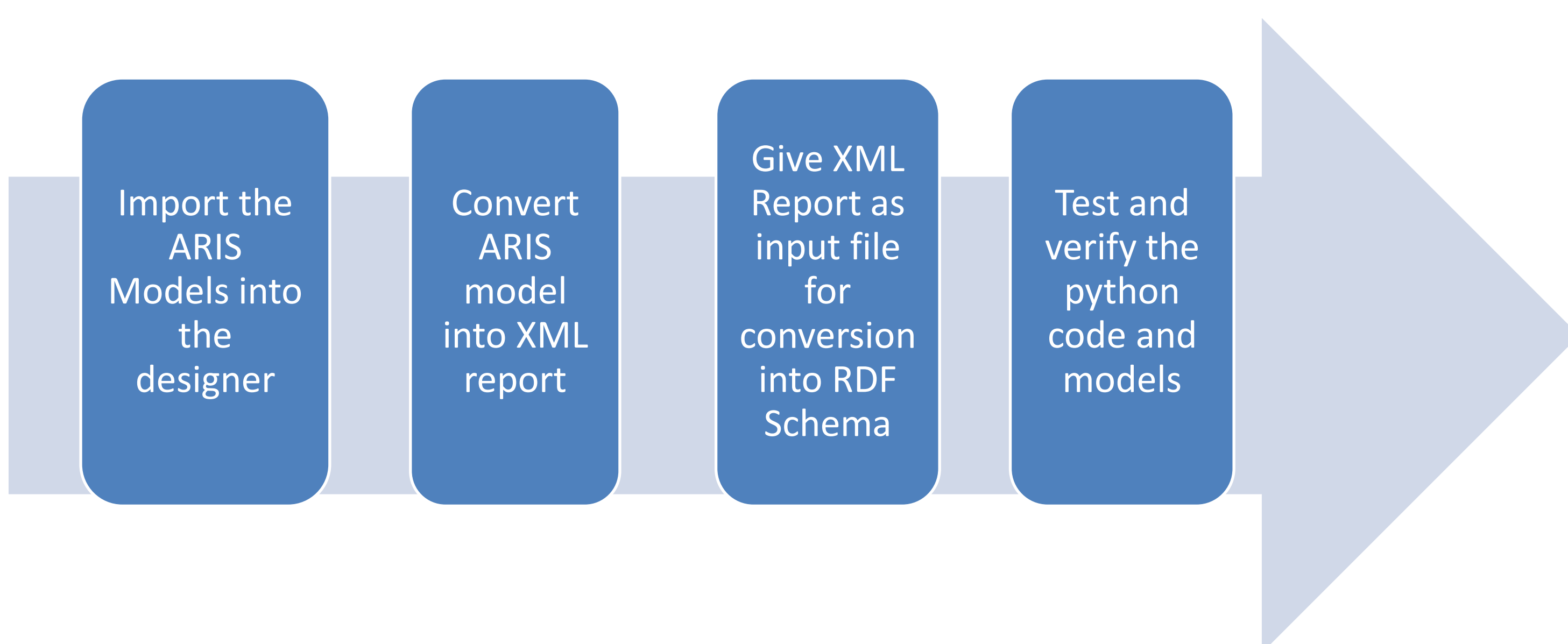
WHY ?

- Consider an online shop "E-Markt"
- The system analyzes different processes in the e-shop
- Identifies the different use cases to cover functionalities
- Builds corresponding Aris models to understand business processes
- XML reports are generated from the model to give generic data
- Builds RDF schema for the XML files for model data extension to re-use model data

HOW ?

- Open the Virtual machine
- The ARIS Models are located in: ~/Dev/BMP
- The identified Use-Cases are located in: ~/dev/USE_Cases
- The script for model conversion into XML format already included in ARIS setup: exportToXML
- The XML to RDF conversion script can be executed as: python converter.py [name of XML file]
- The python code can be tested using unit tests : python unit_tests.py

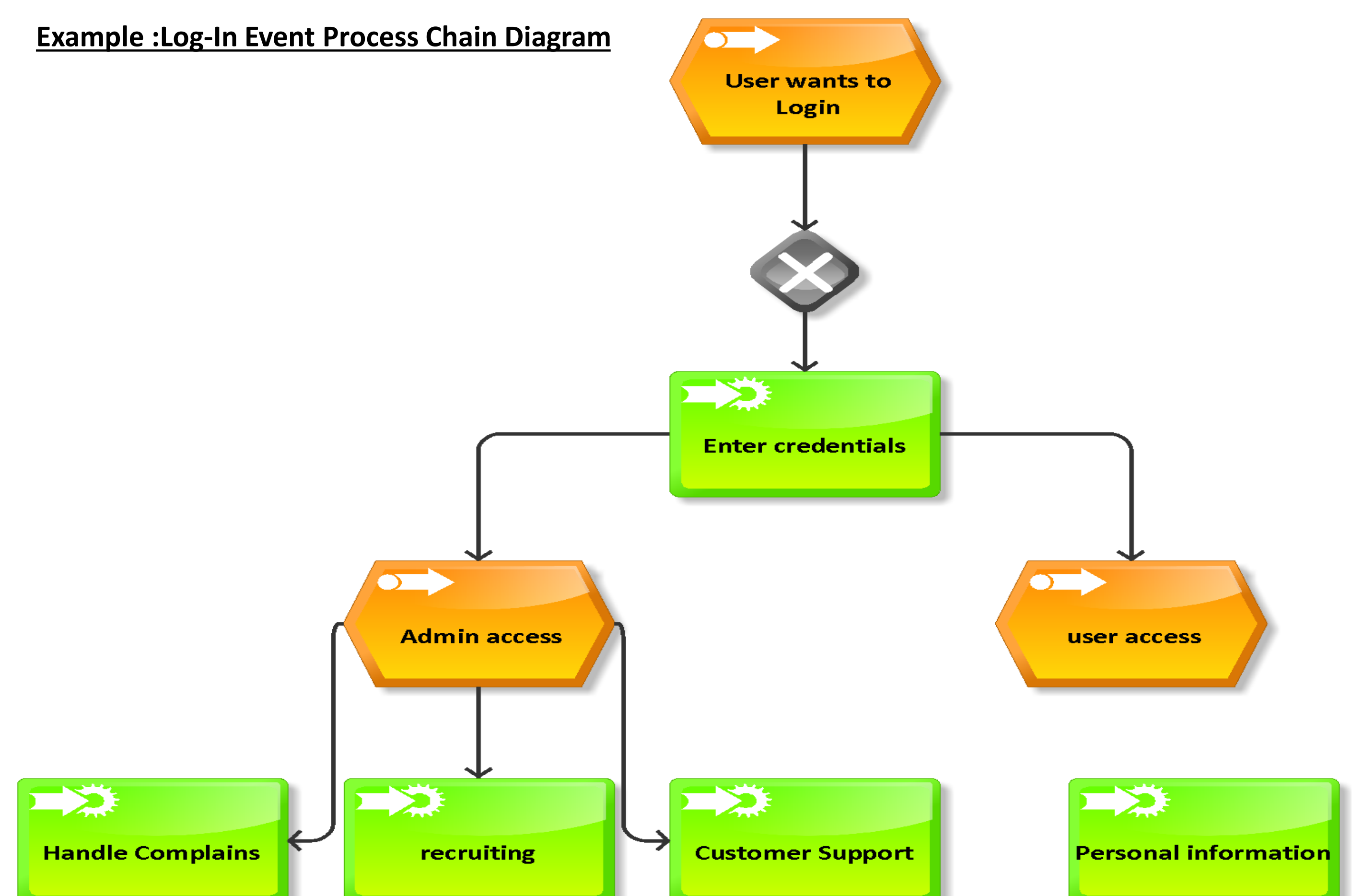
Steps to work :



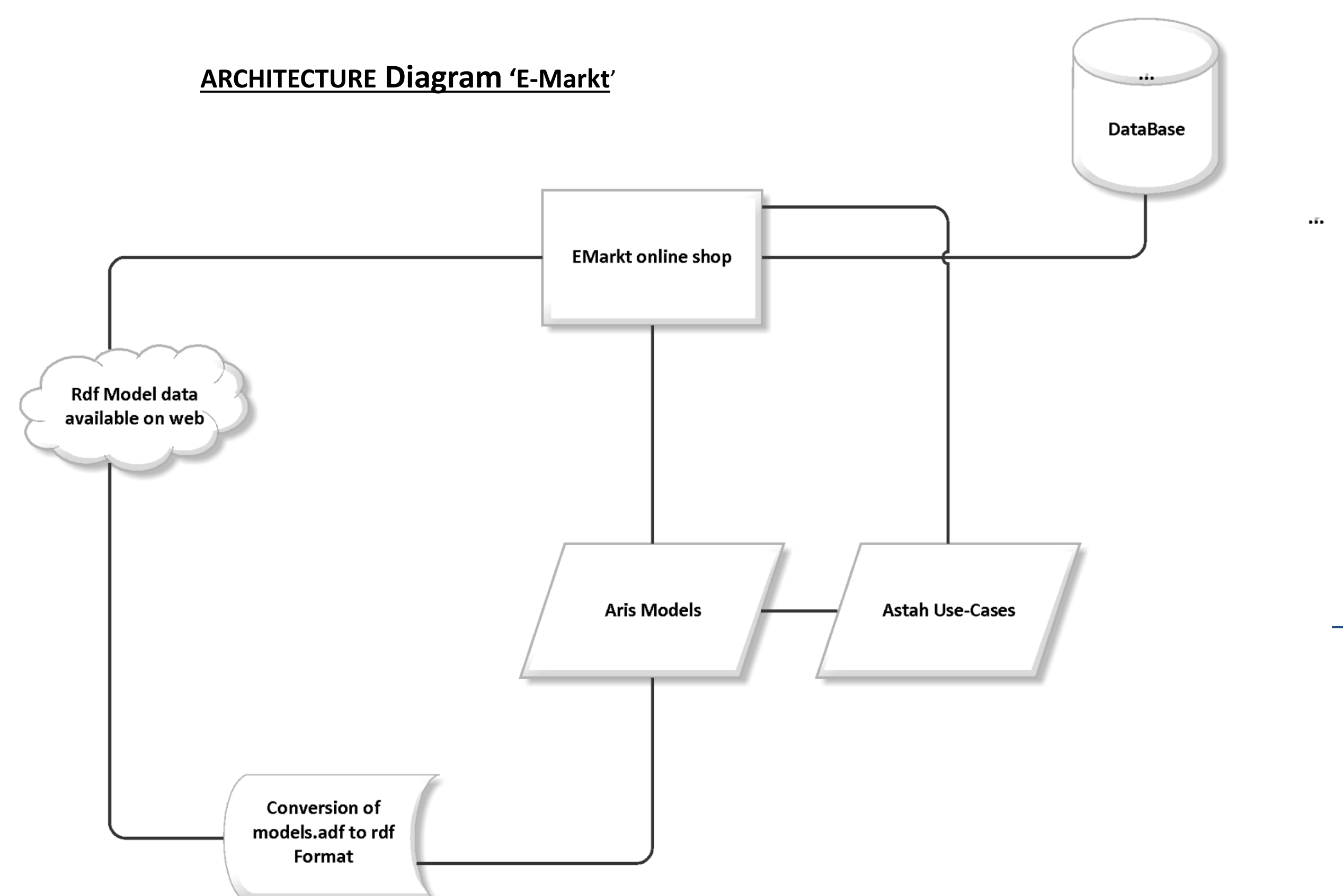
WHAT?

- Analyzed the use-cases as created in UML Designing tool ASTAH
- Analyzed the ARIS Event Process Chain(EPC) Diagrams
- For the EPC Diagrams, XML reports were generated
- The ARIS diagrams were tested using ARIS Express testing tool
- Generated RDF Files for XML reports of models
- Tested the RDF file against simple Unit tests for Python

Example :Log-In Event Process Chain Diagram



ARCHITECTURE Diagram 'E-Markt'



<Virtual Machine Description>



Hostname: EISGroupK
Software installed:
Installed on: EIS2
Python 3.4(RDFLib, Unittest libraries)
Aris Architect & Design 9.6

Local Access:
OS User: EIS02/eis-lab
Password: E1sPa33w0rd

Remote Access:
Partner ID: 288 967 668
Password: q2rp84

Help-Lines :
www.ariscommunity.com