Modeling the Structure & Processes of an online-shop

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

ARIS Platform

goto: 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
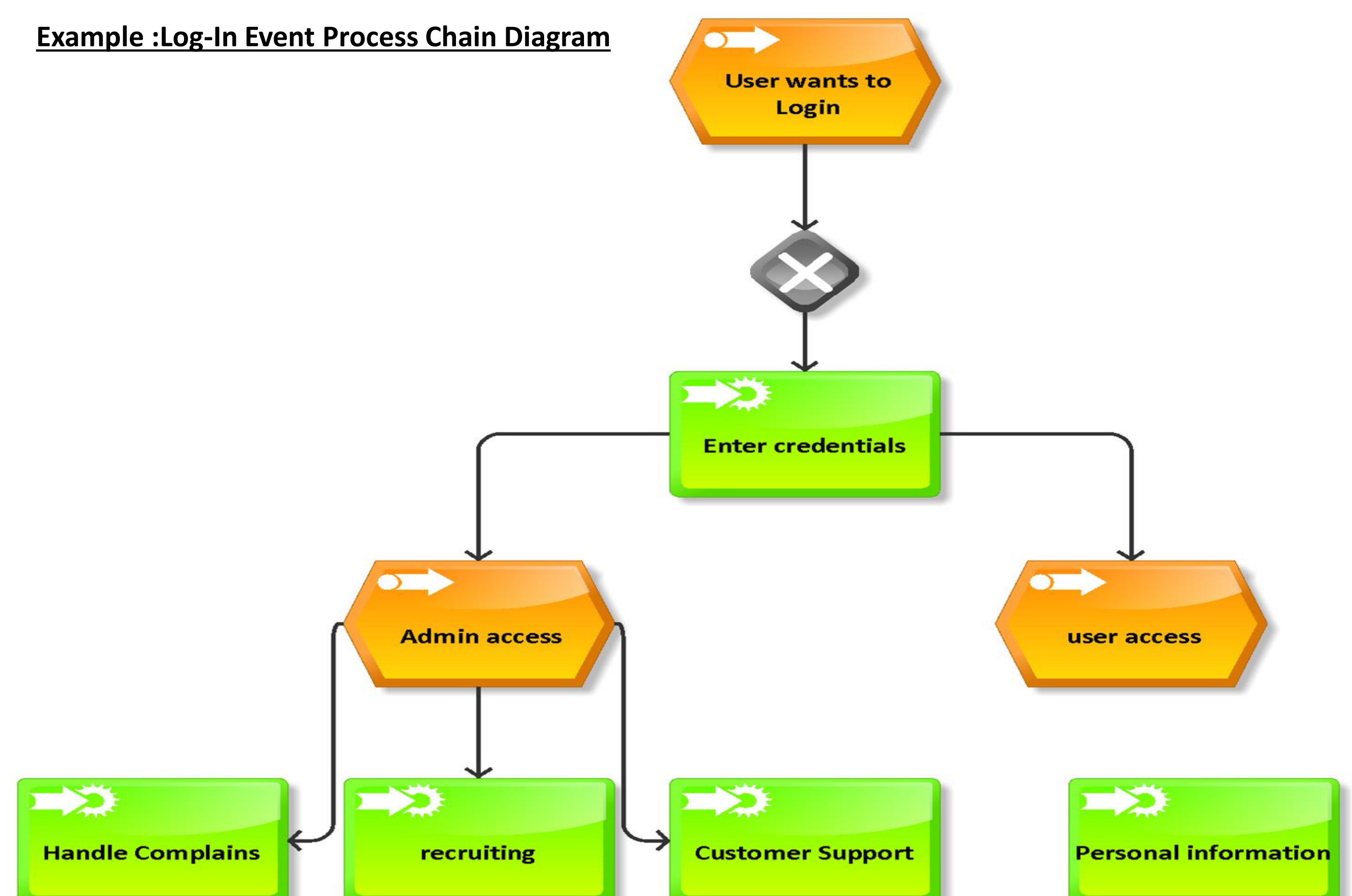•Builds RDF schema for the xml files for model data extension to re-use model data

HOW ?

•Open the Virtual machine
•The ARIS Models are located in:
•The identified Use-Cases are located in:
•The script for model conversion into xml format already included in ARIS setup
•The xml to RDF conversion script can be executed from :
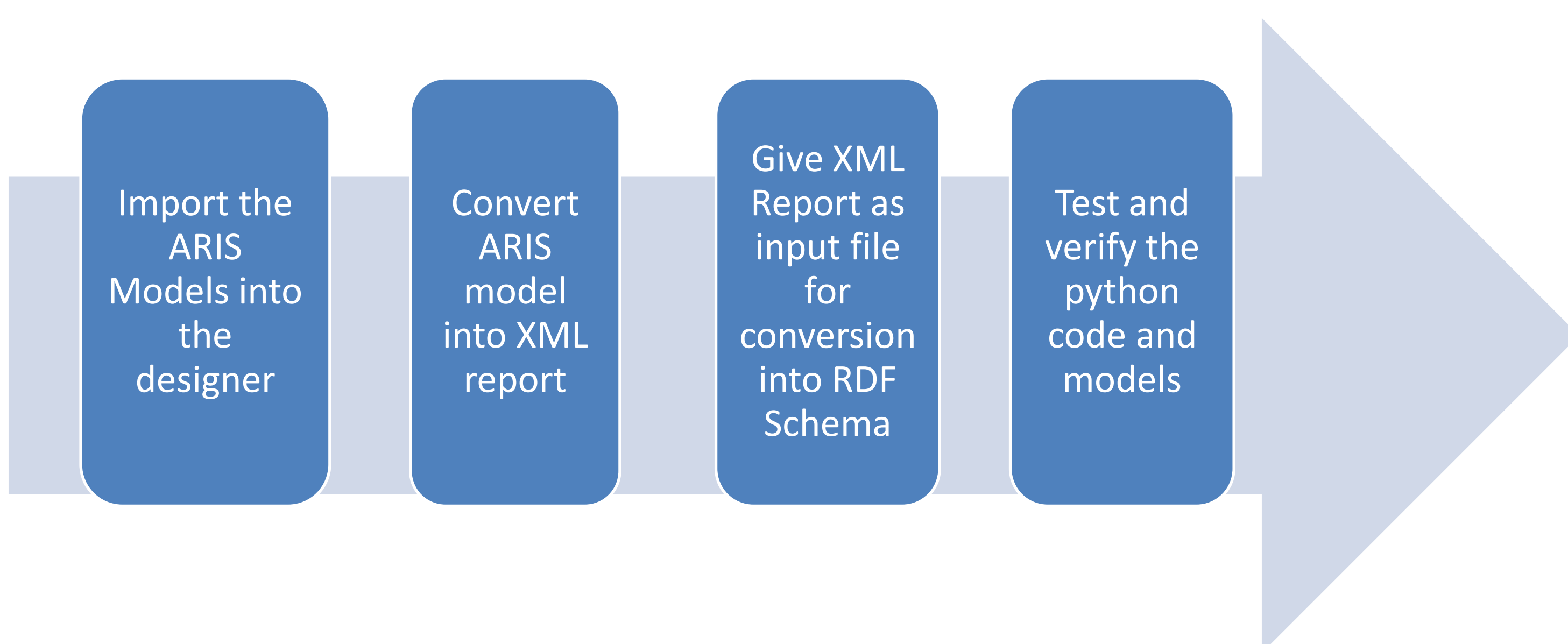•The python code can be tested using unit tests at :

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
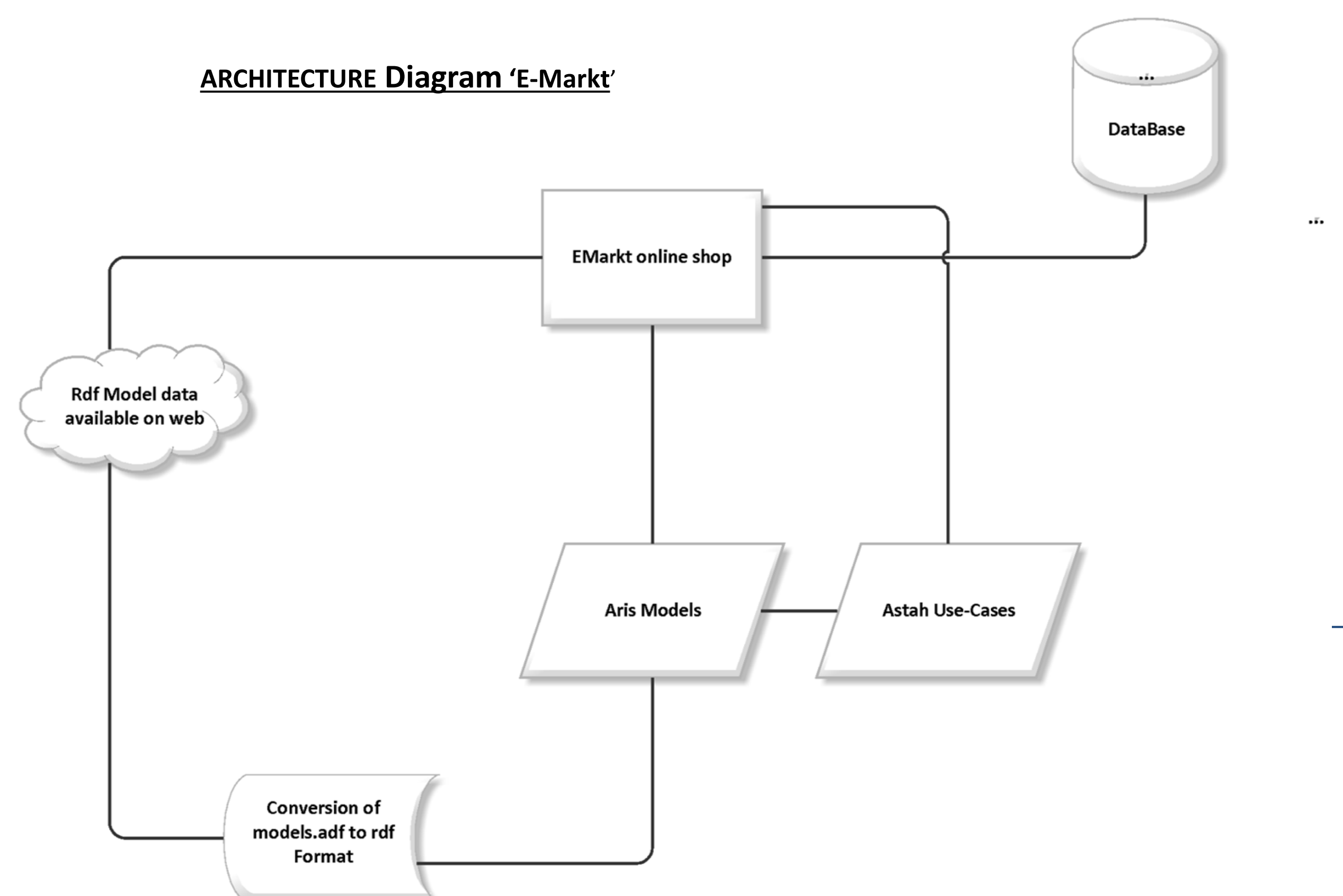•Tested the RDF file against simple Unit tests for Python

Example :Log-In Event Process Chain Diagram

- User wants to Login
- Enter credentials
- Admin access
- user access
- Handle Complains
- recruiting
- Customer Support
- Personal information

Steps to work :

Import the ARIS Models into the designer	Convert ARIS model into XML report	Give XML Report as input file for conversion into RDF Schema	Test and verify the python code and models

ARCHITECTURE Diagram 'E-Markt'

- DataBase
- EMarkt online shop
- Rdf Model data available on web
- Aris Models
- Astah Use-Cases
- Conversion of models.adf to rdf Format

<Virtual Machine Description>

Hostname: **vm-<???>**
Software installed:
Installed on: EIS2 or EIS3 (?)
XAMPP Package: MySQL 5.6.16
Apache 2.4.9, PHP 5.5.11
<others>

Local Access:
OS User: eis-user
Password: <INCLUDE HERE>

Remote Access:
Partner ID: 51220xxxx Password:
<INCLUDE HERE>

Help-Lines :
www.ariscommunity.com

EIS Enterprise Information Systems

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