UA CRIS – Current Research Information System

PEI Milestone 2 –Group 4

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Elaboration phase

- **In this presentation we will describe the requirements of system users, customers and other stakeholders.**

1. Requirements elicitation
    1. Goals
    2. Information Gathering
2. Context and State of The Art (SOA)
3. Functional and non-functional requirements
    1. Actors
4. System Architecture

Requirements Elicitation

- Goals
  - Well constructed platform that grants a synchronized RIA.
  - An easy solution for researchers to maintain all their work at UA in one place.
  - All the work is to be developed using open source tools and software, following data patterns established previously by EuroCris.
- Information gathering
  1. Information was mostly gathered through documentation about the various studied APIs and platforms
  2. Meetings with engineers and researchers from UA

Context

- After a *log-in* with UA's credentials, the user can choose to execute a search through the other platforms (pex ORCID) to find one or more documents that are not already in RIA.
- After this the user can store the documents that he desires in RIA.
- In a final stage of the project it would be interesting to develop a interface that resolves the duplicate document problem.

State Of the Art (SOA)

- The related works and technologies are:
  - EuroCris
  - ORCID
  - SCOPUS
  - CienciaVitae
  - PTCRISync
  - DSpace

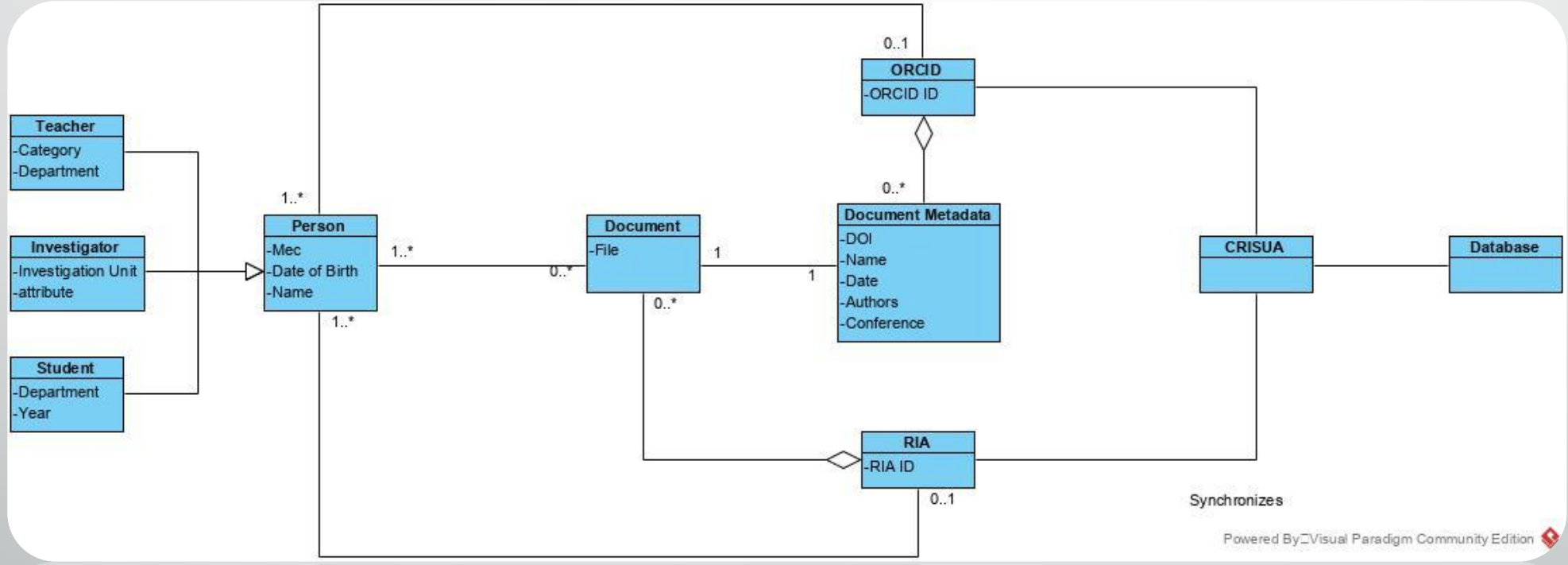
Functional Requirements and Actors

- Authentication using UA's credentials
- Database and DBMS (MySQL)
- Application services, a WebApp (using HTML5, Javascript and .NETCore)
- System's support and operation (documents about all the operation)
- The actors of the system are:
  - Teachers
  - Students
  - Researchers

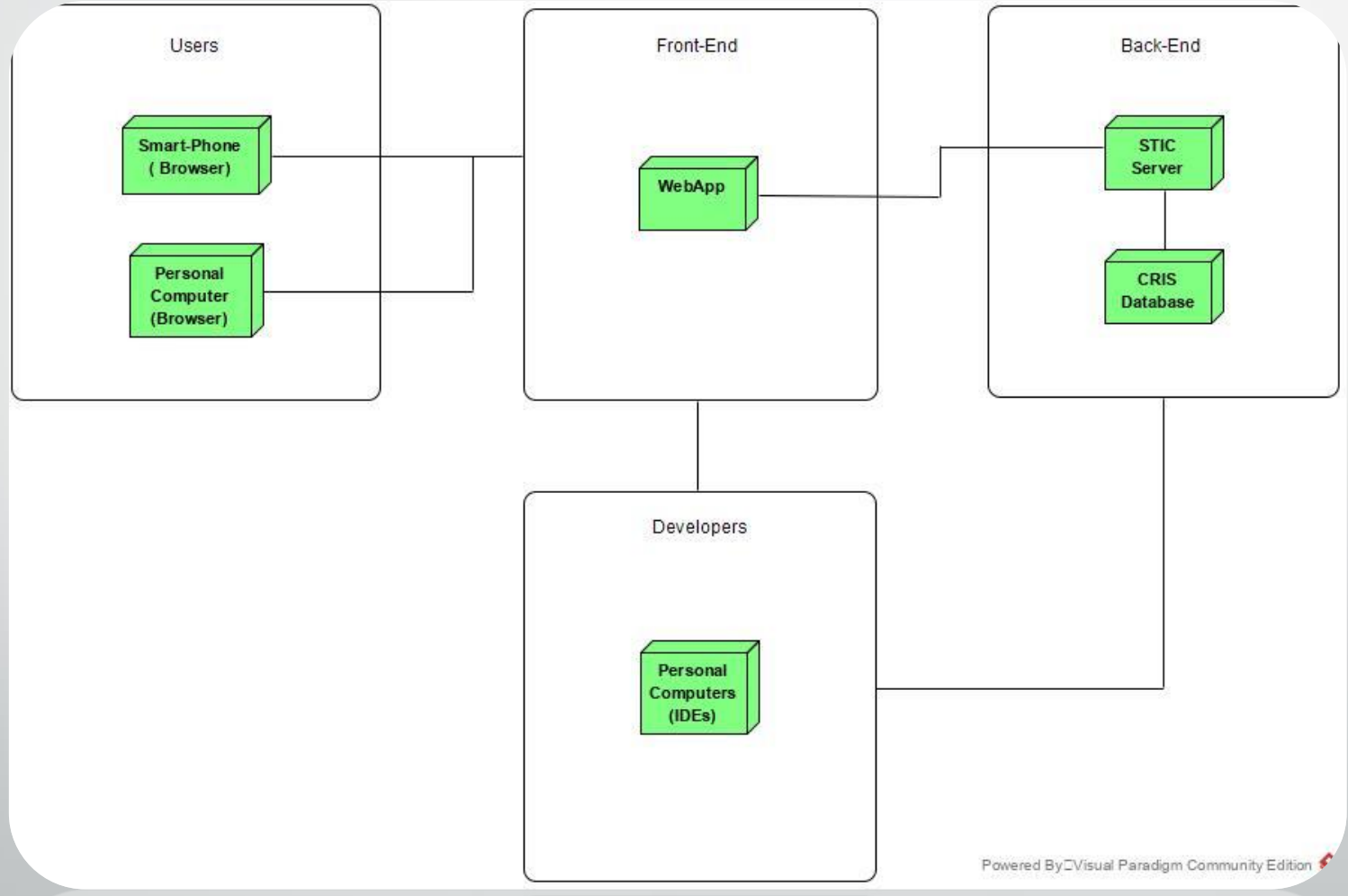
Non-functional Requirements

- Security of the information system
- Performance of the information system
- Intuitive WebApp

System Architecture – Domain Model



System Architecture – Physical Model



System Architecture – Technological Model