Web Services

Course level: Master M2  Track(s): CPS2/DCS

ECTS Credits: 3

Course instructors: contact: Frederique Laforest

Education period: 3rd semester  Language of instruction: English

Expected prior-knowledge: object oriented development, software engineering (design and modelling tools)

Aim and learning outcomes: Design and development of web services

Keywords: Web services, SOAP, REST, UDDI, WSDL

Syllabus:
- Notion of web service
  - Définition of web services
  - Use cases
- SOAP – UDDI – WSDL
  - HTTP protocol
  - Presentation of the 3 components of web services (SOAP, UDDI, WSDL)
  - Web services and J2EE, Servlet
- Tutorials and Lab works: Composition – Collaboration – Orchestration of services web
  - Use of social networks APIs to develop applications (twitter, facebook, ...)

Organisation and timetable: Lectures (14h), tutorials (6h) and lab sessions (5h).

Form(s) of Assessment: written exam + lab work

Literature and study materials

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