Master in Computer Science

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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