**Practical Tasks: General Architecture of User-adaptive Systems**

**(Complete these tasks for the practical tutorial in Week 2)**

**Objectives**

* The tasks will help you gain a deeper understanding of the general schema of user-adaptive system
* Given a user-adaptive system, you should be able to identify what its main components are and have a basic idea what each component does

**Main reading**

Read **pages 1-15 from Jameson, A. (2009)**. Adaptive interfaces and agents. Human-Computer Interaction: Design Issues, Solutions, and Applications, 105, 105-130 (available from Minerva)

**Task 1:** Read the section about the LILSYS system:

* Note the main purpose of the system.
* Outline the general schema of the system:
  + What information about the user is collected?
  + How is this information acquired and sorted?
  + What is include in the user model?
  + How is the user model applied?
  + What adaptive features are offered?
* Identify recent scenarios where similar systems can be used.

**Task 2:** Read the section about the AgentSalon system:

* Note the main purpose of the system.
* Outline the general schema of the system:
  + What information about the user is collected?
  + How is this information acquired and sorted?
  + What is include in the user model?
  + How is the user model applied?
  + What adaptive features are offered?
* Identify recent scenarios where similar systems can be used.

**Task 3:** Compare LILSYS and AgentSalon

* Identify three similar things about both system.
* Identify three things where the systems differ.

**Task 4:** System design

The University of Leeds is (hypothetically) considering developing a module recommender to aid students in choosing which modules to study.

You are part of the team responsible for the design of the system. Following the general architecture of user-adaptive systems, draw the architecture of the module recommender. Briefly outline:

- What user data will be collected and how?

- How will the user model be acquired?

- What will be included in the user model?

- How will the user model be applied to filter news?

- How will the filtered news be provided to the user?