Experimental Session: "Lattes-Scholar" (i* method)

Participant ID:…………

Date:…………………………….

This activity aims at **creating a value model** following the procedure indicated in the i* method.

Read the following statement that describes the situation of an organization and perform the tasks listed below.

Fill in the Start time (hh: mm) __: __

Statement

Imagine you are a business consultant and need to define a **value model using the i* method** for a publication management system called Lattes-Scholar.

The Department of Computer Systems and Computation (DSIC) needs to know the number of citations per academic publication of each researcher in the department. To obtain this information, the department wants to develop the Lattes-Scholar system that fulfills this function.

The Lattes-Scholar system will communicate with two databases: Lattes and Google Scholar.

The DSIC will enter the name of the researcher in the Lattes-Scholar system. Thus, a search into Lattes database will return a list of researchers whose name is the same as or similar to the search string entered by DSIC staff. This staff will select the researcher in this list if it exists or will enter another search string. This list should be well presented and the search response time should be quickly.

The Lattes database (which includes all the publications of the DSIC researchers) will allow retrieving a list of the researchers' publications curriculum. It is important for the system that this Lattes database is available at the whole time.

The other database, Google Scholar, which is expected to be available at the whole time, allows retrieving the number of citations from a publication. Once the DSIC has selected a researcher with their corresponding publications curriculum, the Lattes-Scholar system should send this researcher's publications curriculum (list of publications) to a citation provider. This citation provider will request the number of appointments to Google Scholar for each one of the researcher's publications. To do this it must construct a search URL for each publication that will be sent to Google Scholar and will return the number of citations. This search should have an appropriate response time. When the number of publications by a researcher is very high, in order to avoid overloading the citation provider, it can delegate the construction of the search URL and queries to an agent who will perform this operation.

Finally, Lattes-Scholar will provide a view of the obtained data from the citation provider with the number of citations per publication that will be available to DSIC staff, which has performed the search for a researcher.

Fill in the Finish time (hh: mm) __: __

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Tasks

Participant ID:…………

Fill in the Start time (hh:mm) __: __

1. **Definition of actors**: The objective of this task is to define the relevant actors for the business activity.

   In the **drawing sheet**, draw the actors involved in this context.

2. **Modeling of intentional elements**: The objective of this task is to define the intentional elements of the actors (goal, soft-goals, tasks, and resources).

   In the **drawing sheet** you must:

   a. Identify and draw the intentional elements of the actors. Draw the intentional elements (goal, soft-goals, tasks, and resources) within the boundary of the actors.

3. **Modeling relationships**: The objective of this task is to define the links between the intentional elements within the boundary of the actors and the links between the intentional elements of different actors.

   In the **drawing sheet** you must:

   a. Identify and draw the links between intentional elements of the actors. Draw the links (contribution, decomposition, means-end) between the intentional elements within the border of the actors.

   b. Identify and draw the links between intentional elements of different actors. Draw the dependency links between the intentional elements between different actors. The dependency link must be related to an intentional element.

Fill in the Finish time (hh:mm) __:__

Please, visit the following web page and answer the questionnaire:
http://bit.ly/2khdslO

Participant ID:…………

Drawing Sheet

LEGEND

Actors	Intentional Elements	Links
Actor Expanded Actor	Goal Soft-Goal Task Resource	Contribution Dependency Decomposition Means-end Help Hurt Unknown