Experimental Session: “Lattes-Scholar” (value@GRL method)

Participant ID:……

Date:…….

This activity aims at **creating a value model** following the procedure indicated in the value@GRL 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 value@GRL 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 (main actor, external actors, and the system actor).

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

   In the **drawing sheet** you must:

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

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

3. **Modeling relationships**: The purpose of this task is to define the links between the intentional elements within the boundary of the main actor and the external actors. Not the system actor.

   In the **drawing sheet** you must:

   a. Identify and draw the links between intentional elements of the main actor. Draw the links (contribution and decomposition) between the intentional elements within the border of the main actor.

   b. Identify and draw the links between intentional elements of external actors. Draw the links (contribution and decomposition) between intentional elements within the boundary of external actors.

4. **Modeling the system actor and its links**: The objective of this task is to define the intentional elements of the system actor, the relationships between its intentional elements, and also the dependency links with the other actors.

   In the **drawing sheet** you must:

   a. Identify and draw the intentional elements of the system actor. It must take as a reference the intentional elements of the other actors (main and external) to define the intentional elements (goal, soft-goals, and tasks) within the boundary of the system actor. Thus, the system actor can satisfy the intentions of the main actor taking into account the intentions of the external actors.

   b. Identify and draw the relationships between the intentional elements of the system actor. Draw the links (contribution and decomposition) between the intentional elements within the boundary of the system actor.

   c. Identify and draw the dependency links of the system actor and the other actors. Draw the dependency links between the intentional elements of the system actor and the intentional elements of the other actors.

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

Please, visit the following web page and answer the questionnaire:

http://bit.ly/2khdslO

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Drawing Sheet

LEGEND