WEB SERVICE DESIGN DOCUMENT & PROJECT PLAN
DUE DATE: scheduled on LÉA

OVERVIEW

This is a team activity. In this deliverable, you will: 1) review and complete the design as well as the documentation of the data-exchange REST Web service you initially proposed; and 2) establish a project plan.

PART I: REST WEB SERVICE DOCUMENTATION

In this part, you are required to refine your project proposal and address the comments you received during the follow-up meeting.

You are also required to elaborate the following sections:

1) Document all the relationships between the resources your Web service exposes (that is, made available to client applications) and identify these relationships though URIs.
2) Description of at least *two composite resources*. For more details, please refer to the supporting document that was posted on LÉA.

   In summary, your team must find at least two publicly available REST-based Web services that will be used in the implementation phase to produce an aggregated data set.

PART II: PROJECT PLAN

In this part, you are required to establish a project plan for the implementation.
Your team must:
a) Identify and describe all the tasks to be done and elaborate a timeline that discusses the steps necessary to implement your proposed REST Web service.
b) Document the tasks you identified. Each task must have a:
1. Title.
2. Brief description of what the task is about.
3. List of requirements. That is, what are the libraries, tools, data, etc. required to implement the tasks.
4. List of sub tasks (if any). Sub tasks must also have a description.
5. List of dependencies between the tasks.
c) Prioritize the defined features and their dependent tasks based on their relevance and importance.
d) Assign dependent tasks high priority and schedule them to be implemented first.
e) Assign the defined tasks to one or more team members and give each task a due date.

NOTE: It is strongly recommended that information about the tasks be organized/structured in a tabular format.

EVALUATION CRITERIA

		POINTS
Completeness	Compliance of the submitted report with the stated requirements.	20
Design	Proper design of RESTful Web service. Appropriate identification of resources and design of URIs. Expressiveness of resource relationships through URIs. Relevance of filtering and pagination operations.	30
Description of tasks	Clarity, relevance, and level of details provided in the documentation of each task.	20
Project plan	Appropriate identification of the task to be accomplished.	20
	Compliance of the project plan with the stated requirements	10
	Total	**100**

WHAT TO SUBMIT

➢ Submit a **PDF** document through LÉA.