TABLA DE ESPECIFICACIÓN DEL PROBLEMA DE INGENIERÍA DE SOFTWARE, identificando
los siguientes elementos

CLIENTE	APO I Teacher
USUARIO	APO I Teacher
REQUERIMIENTOS FUNCIONALES	R1 – Registry bibliographic products R2 - Modify bibliographic products R3 – Delete bibliographic products R4 – Registry users R5 – Bibliographic products sale R6 – Lecture simulation R7 – Initialize the system for tests.
CONTEXTO DEL PROBLEMA	The company ReadX requires a program that allows it to manage its publications (bibliographic products). This program must allow the management of these bibliographic products, the registration of users and other functions for the users, such as viewing their library or reading some pages of the products. ReadX plans to expand the type of products and users in the future.
REQUERIMIENTOS NO FUNCIONALES	The program has to be code in Java The code has to be written in English The program must have the capability to be expanded in the future

Tabla de análisis de requerimientos funcionales (Nota: Una tabla por cada requerimiento funcional)

Name or identifier	R1 – Registry Book		
Review	The system must have the option to registry a bibliographic product. These products can be a book or a magazine.		
Input	Input name	Data type	Condición de selección o repetición
	product_Name	String	Must enter the spaces between words with "_" (ej: Divine_Comedy)
	pages_Amount	Int	Must be more than 0
	publish_Date	String	Must be in format "dd/MM/yyyy"
	short_Review	String	Must be less than 100 words
	Genre	Genre	Science_fiction, fantasy, historic_novel
	sale_Price	double	Must be more than 0
Result	The system saves the information given by the user and generates an 3 hexadecimal characters id and then creates the book. A confirmation message and the id are shown to the user.		
Output	Input name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A
	product_Id	String	N/A

Name or identifier	R1 – Registry Magazine		
Review	The system must have the option to registry a bibliographic product. These products can be a book or a magazine.		
Input	Input name	Data type	Condición de selección o repetición
	product_Name	String	Must enter the spaces between words with "_" (ej: Divine_Comedy)
	publish_Date	String	Must be in format "dd/MM/yyyy"
	amount_Pages	int	Must be more than 0
	emission_Frequency	String	
	category	Category	Varieties, desing, science
	subscprition_Price	double	Must be more tan 0
Result	The system saves the information given by the user and generates an 3 alphanumeric characters id and then creates the magazine. A confirmation message and the id are shown to the user.		
Output	Input name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A
	product_Id	String	N/A

Name or identifier	R2 – Modify Bibliographic product.		
Review	The system must have the option to modify a bibliographic product. For this purpose, the system will allow the user to choose which product wants to modify (Book or Magazine). The user will enter the new data according to the choice.		
Input	Input name	Data type	Condición de selección o repetición
	product_Id	String	Must be registered in the system
	newName	String	Must be different than the original
	newPublishDate	String	Must be different than the original
	newPrice	double	Must be different than the original
	newReview	String	Must be different than the original
	newFrequency	String	Must be different than the original
	newGenre	Genre	Must be different than the original
	newCategory	Category	Must be different than the original
Result	The system changes the old data for the new data. A confirmation message is shown.		
Output	Output name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A

Name or identifier	R3 – Delete Bibliographic product		
Review	The system must allow the user to delete a product. The user only needs to enter the id of the product to delete.		
Input	Input name	Data type	Condición de selección o repetición
	product_Id	String	The id has to be registered in the system
Result	The product is deleted from the system and a confirmation message is shown.		
Output	Input name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A

Name or identifier	R4 – Registry User		
Review	The system must allow to registry a user. This user can be a premium user or a regular user. The one who register have to choose which type of user is going to registry and enter the name of the user, his id and the link date.		
Input	Input name	Data type	Condición de selección o repetición
	user_Name	String	First name and second name
	user_Id	String	Must be les than 5 characters
	linkDate	String	Must be a valid date
Result	The user is created in the system, a confirmation message is shown		
Output	Input name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A

Name or identifier	R5 – Bibliographic product sale		
Review	The system must have the option to sell a bibliographic product. The user have to enter the id of the product that is going to buy and his id to add the product to his inventory.		
Input	Input name	Data type	Condición de selección o repetición
	product_Id	String	The product has to be registered in the system
	client_Id	String	The client has to be registered in the system
Result	The product is sold successfully and added to the client inventory. A confirmation message is shown.		
Output	Input name	Data type	Condición de selección o repetición
	confirmation_Message	String	N/A

Name or identifier	R6 – Lecture simulation		
Review	The system must have the option to simulate a lecture session. The user has to enter the id of the product that he´s going to read.		
Input	Input name	Data type	Condición de selección o repetición
	product_Id	String	Must be registered in the system
Result	A type of menu is deployed. This "menu" will show the name of the product, the start page and the total pages and the options.		
Output	Output	Data type	Condición de selección o repetición
	product_Name	String	N/A
	total_Pages	Int	N/A
	start_Page	Int	N/A

Name or identifier	R6 – Lecture simulation		
Review	The system must have the option to simulate a lecture session. The user has to enter the id of the product that he´s going to read.		
Input	Input name	Data type	Condición de selección o repetición
	product_Id	String	Must be registered in the system
	options	String	N/A

Name or identifier	R7 - Initialize system		
Review	The system must have the option to initialize the system, creating a book, a magazine and a user for tests.		
Input	Input name	Data type	Condición de selección o repetición
Result	The objects are created and a confirmation message is shown, followed by the id of the products and the id of the user.		
Output	Input name	Data type	Condición de selección o repetición
	confirm_Message	String	N/A
	book_Id	String	N/A
	magazine_Id	String	N/A
	user_Id	String	N/A