CLIENT	APO I Teacher Nicolas Salazar
USER	APO I Teacher Nicolas Salazar
FUNCTIONAL REQUIREMENTS	R1- Regist project. R2-Registry stages. R3 -Register a capsule. R4 - Approve a capsule. R5 - Publish a capsule. R6 - Culminate a project stage. R7 - Report registered capsules by type. R8 - Report learned lessons in the capsules in order of a specific stage. R9 - Report the name of the project with more capsules registered. R10 - Report if a worker has registered capsules. R11 - Search a lesson by hashtag.
CONTEXT OF THE PROBLEM	GreenSQA is requesting the creation of a software that allows the creation and management of knowledge capsules. These capsules are within each of the 6 stages of the project, depending on the stage in which they have been registered. These stages have a maximum of 50 capsules each. These capsules must have the ability to be approved, so that they can be published on the company's intranet so

	that all members can consult them. In addition, a series of reports must be presented according to what is recorded in the software.
NON-FUNCTIONAL REQUIREMENTS	Use class Calendar and Simple Date Format to manage dates.

Name or identifier	R1-Register project.		
Summary	The system must have the option to register a project. These projects have a name, an estimated start and end date, an actual start date and a budget.		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	No more than 20 characters.
	client_Name	String	No more than 20 characters.
	expected_Start_Date	Calendar	Has to be in format "dd/MM/yyyy"
	expected_End_Date	Calendar	Has to be in format "dd/MM/yyyy"
	real_Start_Date	Calendar	Has to be in format "dd/MM/yyyy"
	budget	double	Should be different than 0.
Result or postcondition	The project is registered successfully.		
Outputs	output name	Datatype	Selection or repetition condition
	confirm_Message	String	N/A

Name or identifier	R2 - Registry Stages.
Summary	The system must have the option to registry the stages of each project. These stages have an expected start and end date and also a real start and end date. When the project is registered, its six stages are also registered, but only the first stage is active.

Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	expected_Start_Date	Calendar	Has to be in format "dd/MM/yyyy"
	real_Start_Date	Calendar	Has to be in format "dd/MM/yyyy"
Result or postcondition	The stages are registered successfully. Only the first stage is active.		
Outputs	output name	Datatype	Selection or repetition condition
	confirm_Message	String	N/A

Name or identifier	R3 - Register a capsule.		
Summary	The system must have the option to register a capsule. These capsules have an id, a description, the name and the charge of the worker that registered it, a lection and a type. To register a capsule, is needed the name of the project, to search its active stage and register the capsule in it.		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	id	String	Less than 10 characters.
	description	String	More than 10 characters.
	worker_Name	String	Less than 10 characters.
	worker_Charge	String	Less than 20 characters.
	lection	String	More than 10 characters.
	type	String	Can only be: Technical, manage, domain or experiences.
Result or postcondition	The capsule is registered successfully.		
Outputs	output name	Datatype	Selection or repetition condition
	confirm_Message	String	N/A

Name or identifier	R4 - Approve a capsule.		
Summary	The system must have the option to approve a capsule. For this purpose, the name of the project and the capsule id are needed.		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	capsule_Id	String	The capsule must be previously registered
	approve_Date	String	Has to be in format "dd/MM/yyyy"
Result or postcondition	The capsule is successfully approved.		
Outputs	output name	Datatype	Selection or repetition condition
	confirm_Message	String	N/A

Name or identifier	R5 - Publish a capsule.		
Summary	The system must have the option to publish a capsule. For this purpose, the name of the project and the capsule id are needed. The system can only publish approved capsules.		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	capsule_Id	String	The capsule must be previously registered and approved.
Result or postcondition	The capsule is published successfully in the organization intranet.		
Outputs	output name	Datatype	Selection or repetition condition
	URL	String	Format https/aaa.net

Name or identifier	R6 - Culminate a project stage.
Summary	The system must have the option to culminate a project stage. For this purpose, the name of the project is needed. The user has to enter the date when the stage was completed, which represents the end date of the stage. You must also enter the number of months that the next stage will take in order to determine the expected end date of the stage.

Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	end_Date	Calendar	Has to be in format "dd/MM/yyyy"
	amount_Months	int	It has to be more than 0
Result or postcondition	The current state of the project is finished and deactivated. The next stage is activated.		
Outputs	output name	Datatype	Selection or repetition condition
	confirm_Message	String	N/A

Name or identifier	R7 - Report registered capsules by type.		
Summary	The system must have the option to report how many capsules are registered by type		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
Result or postcondition	The system shows how many capsules are registered by type.		
Outputs	output name	Datatype	Selection or repetition condition
	registed_Capsules_Me ssage	String	N/A

Name or identifier	R8 - Report learned lessons in the capsules in order of a specific stage.		
Summary	The system must have the option to show a list of the learned lessons in the capsules in order of a specific stage. For this purpose, the name of the project and the name of the stage are required.		
Inputs	input name	Datatype	Selection or repetition condition
	project_Name	String	The project must be previously registered
	stage_Name	String	The stages must have capsules registered.
Result or postcondition	The system shows list of the learned lessons.		

Outputs	output name	Datatype	Selection or repetition condition
	list_Of_Lessons	String	N/A

Name or identifier	R9 - Report the name of the project with more capsules registered.		
Summary	The system must have the option to report the name of the project with more capsules registered.		
Inputs	input name	Datatype	Selection or repetition condition
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Result or postcondition	The system shows the user the name of the project with more capsules registered.		
Outputs	output name	Datatype	Selection or repetition condition
	name_Of_Project	String	N/A

Name or identifier	R10 - Report if a worker has registered capsules.		
Summary	The system must have the option to report if a user has registered capsules. For this purpose, the name of the worker is required.		
Inputs	input name	Datatype	Selection or repetition condition
	worker_Name	String	The worker needs to exist in the organization
Result or postcondition	The system shows if the worker has registered capsules or not.		
Outputs	output name	Datatype	Selection or repetition condition
	worker_Confirm	String	N/A

Name or identifier	R10 - Search a lesson by hashtags.		
Summary	The system must have the option to search a lesson by a given hashtag. This lesson belongs to a capsule that needs to be approved and published. For this purpose, the hashtag is needed.		
Inputs	input name	Datatype	Selection or repetition condition
	hashtag	String	The hashtag has to be in any lesson.

Result or postcondition	The system shows the lessons found by the hashtag givenows the lessons found		
Outputs	output name	Datatype	Selection or repetition condition
	lessons.	String	N/A