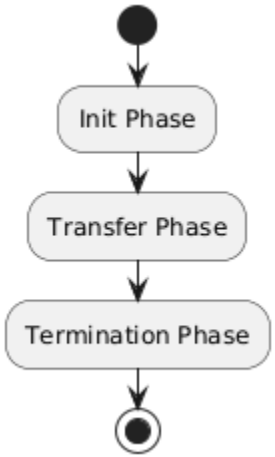
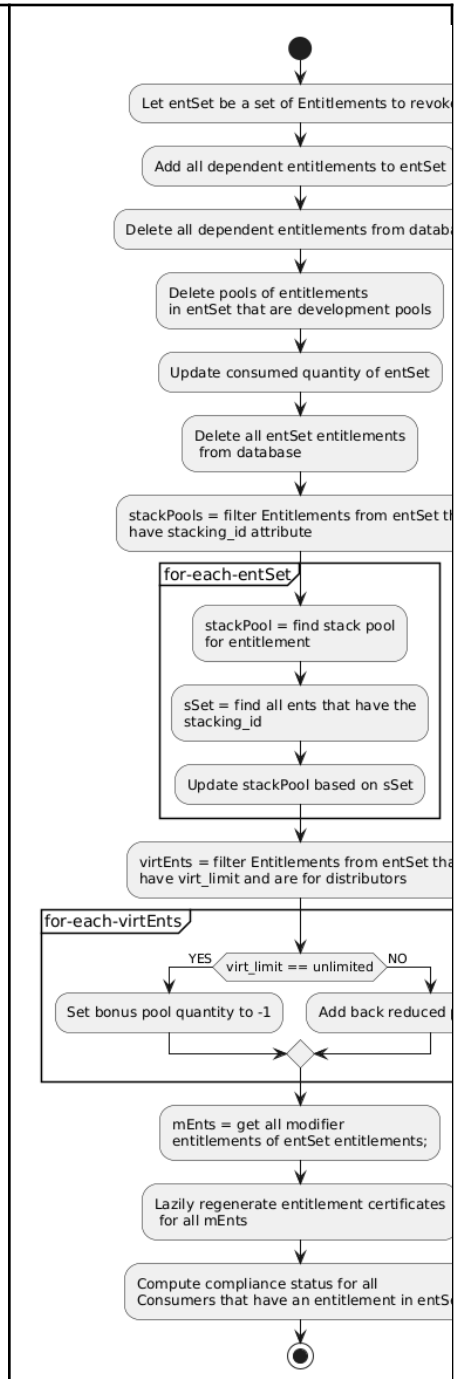
DIAGRAMAS DE ACTIVIDADES

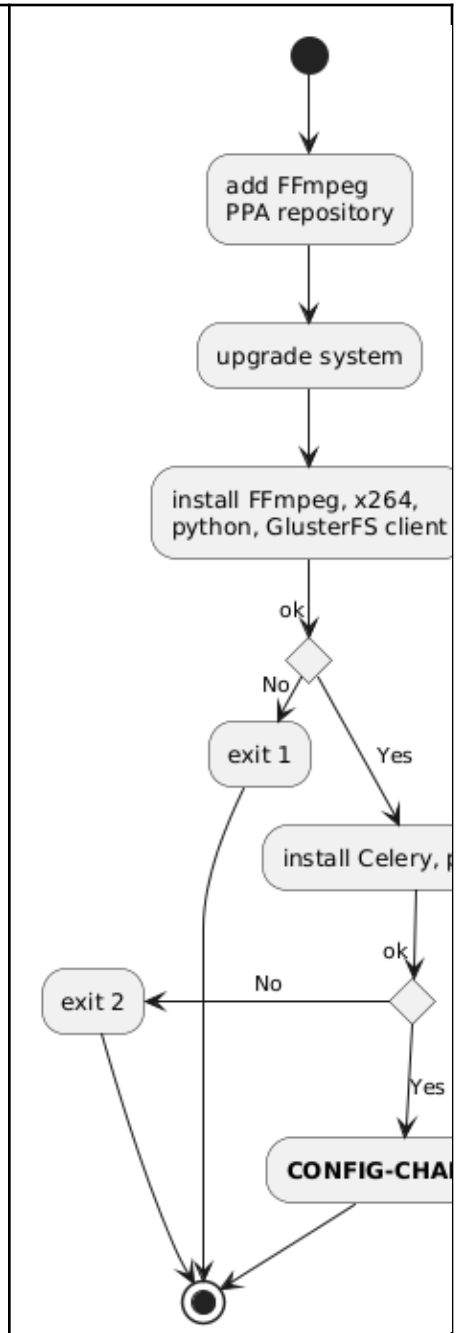
Repositorio: https://real-world-plantuml.com/?type=activity

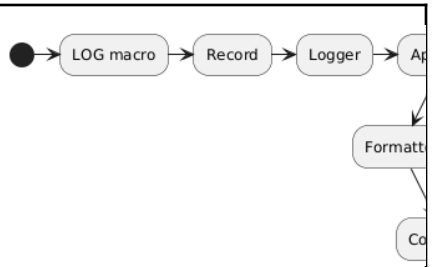
Número de diagramas: 50 Número total: 134

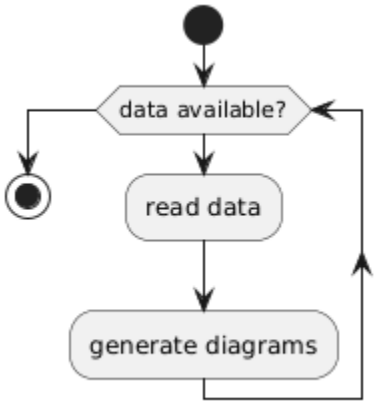
#	HU	HU (INGLÉS)	Código PlantUML	Diagrama
1	**Como** usuario, **quiero** que el proceso pase por fases de inicialización, transferencia y terminación, **para** garantizar que cada etapa se ejecute en orden y el flujo se complete correctamente.	As a user, I want the process to go through initialization, transfer, and termination phases, so that each stage executes in order and the flow completes correctly.	@startuml start :Init Phase; :Transfer Phase; :Termination Phase; stop @enduml	

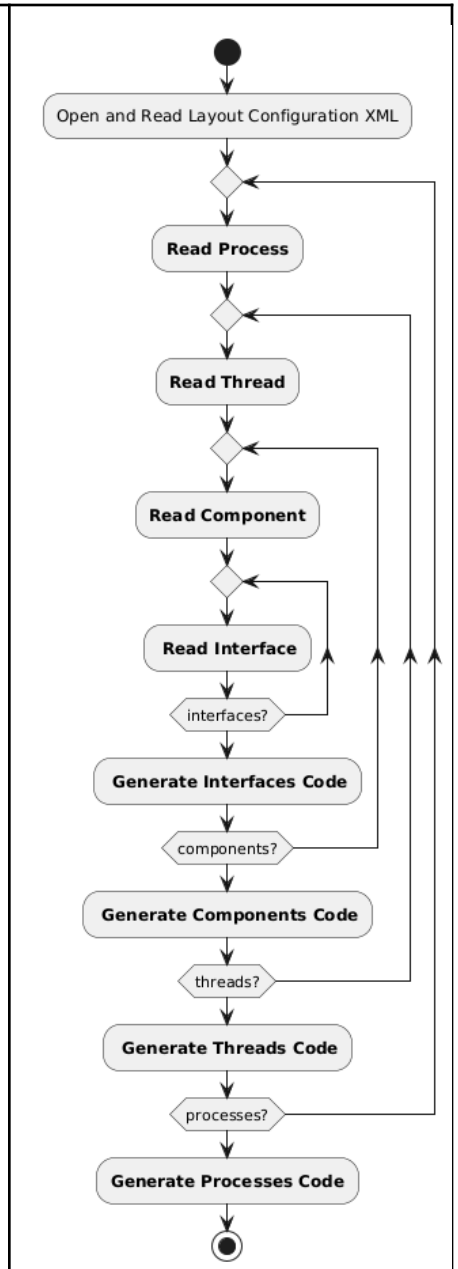
2	**Como** administrador del sistema, **quiero** restringir un conjunto de derechos y procesar todos los elementos dependientes, actualizaciones de cantidades, certificados y cumplimiento, **para** asegurar la consistencia de la información.	As a system administrator, I want to restrict a set of rights and process all dependent elements, quantity updates, certificates, and compliance, to ensure information consistency.	@startuml
			start
			:Let entSet be a set of Entitlements to revoke;
			:Add all dependent entitlements to entSet;
			:Delete all dependent entitlements from database;
			:Delete pools of entitlements in entSet that are development pools;
			:Update consumed quantity of entSet;
			:Delete all entSet entitlements from database;
			:stackPools = filter Entitlements from entSet that have stacking_id attribute;
			partition for-each-entSet {
			:stackPool = find stack pool for entitlement;
			:sSet = find all ents that have the stacking_id;
			:Update stackPool based on sSet;
			}
			:virtEnts = filter Entitlements from entSet that have virt_limit and are for distributors;
			partition for-each-virtEnts {
			if (virt_limit == unlimited) then
			-> YES;
			:Set bonus pool quantity to -1;
			else
			-> NO;
			:Add back reduced pool quantity;
			endif
			}
			:mEnts = get all modifier entitlements of entSet entitlements;;
				

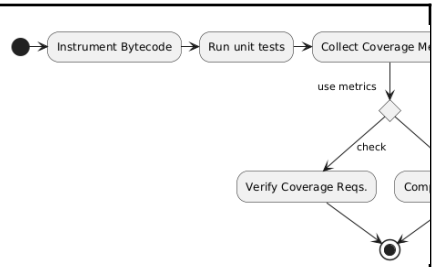
			:Lazily regenerate entitlement certificates for all mEnts; :Compute compliance status for all Consumers that have an entitlement in entSet; stop @enduml	
3	**Como** administrador de la infraestructura en la nube, **quiero** desplegar y mantener servicios de OpenStack utilizando herramientas como Fuel, TripleO y Devstack, **para** asegurar que los servicios funcionen correctamente y puedan gestionarse de manera eficiente durante toda su operación.	As a cloud infrastructure administrator, I want to deploy and maintain OpenStack services using tools like Fuel, TripleO, and Devstack, to ensure the services run correctly and can be efficiently managed throughout their operation.	@startuml (*) -right-> [OpenStack Services\nNova, Keystone, Neutron,\nGlance, Heat, Swift] "Deployment" "Deployment" -right-> [OpenStack Deployment\nFuel, TripleO, Devstack] "Operation\nMaintenance" "Operation\nMaintenance" -right-> [DRAGONS?\nTuskar, Rubick] (*) @enduml	

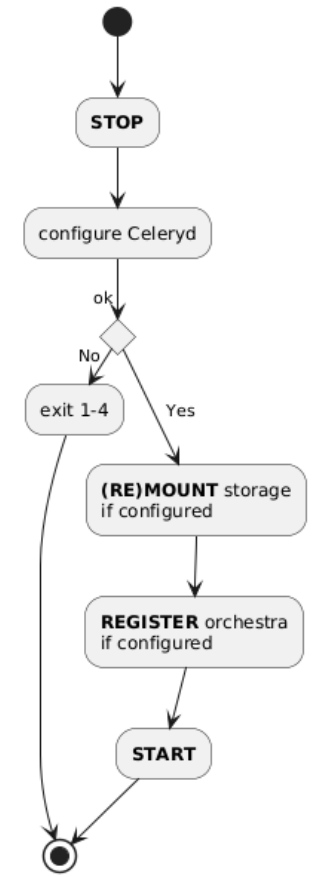
4	**Como** administrador de sistemas, **quiero** instalar y configurar FFmpeg, x264, Python, GlusterFS client, Celery y pyMongo, **para** preparar el entorno y asegurar que los servicios dependientes funcionen correctamente según la configuración del sistema.	As a systems administrator, I want to install and configure FFmpeg, x264, Python, GlusterFS client, Celery, and pyMongo, to prepare the environment and ensure that dependent services function correctly according to system configuration.	@startuml
			
			(*) --> "add FFmpeg\nPPA repository"
			--> "upgrade system"
			--> "install FFmpeg, x264,\npython, GlusterFS client"
			if "ok" then
			-right-> [No] "exit 1"
			--> (*)
			else
			--> [Yes] "install Celery, pyMongo"
			if "ok" then
			-left-> [No] "exit 2"
			--> (*)
			else
			--> [Yes] "CONFIG-CHANGED"
			--> (*)
			endif
			endif
			
			@enduml
				

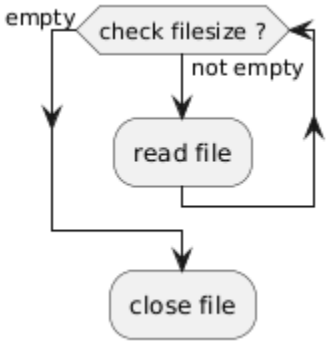
5	**Como** desarrollador de software, **quiero** registrar eventos del sistema usando macros de LOG que pasen por componentes como Record, Logger, Appender, Formatter y Converter, **para** mantener un historial estructurado y formateado de las actividades del sistema para su análisis y depuración.	As a software developer, I want to log system events using LOG macros that pass through components like Record, Logger, Appender, Formatter, and Converter, to maintain a structured and formatted history of system activities for analysis and debugging.	@startuml (*) -r-> "LOG macro" -r-> "Record" -r-> "Logger" -r-> "Appender" -d-> "Formatter" -d-> "Converter" -u-> "Appender" -r-> (*) @enduml	

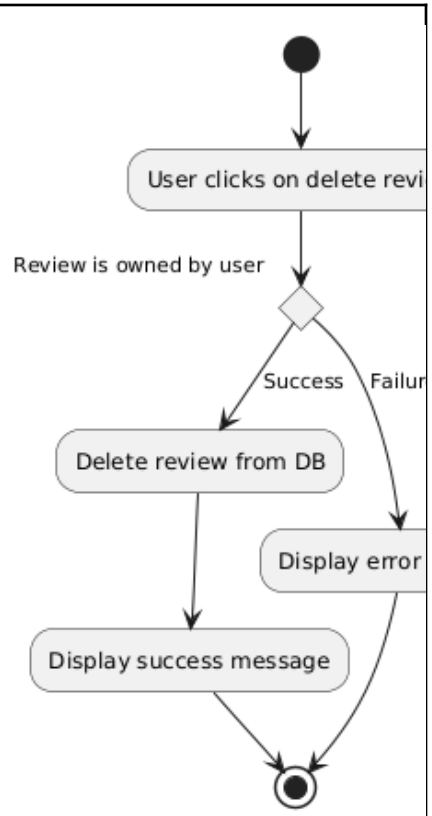
6	**Como** usuario de la herramienta, **quiero** que el sistema procese los datos disponibles y genere diagramas automáticamente, **para** visualizar la información de manera clara y comprensible sin intervención manual.	As a tool user, I want the system to process the available data and generate diagrams automatically, to visualize information clearly and understandably without manual intervention.	@startuml
			start
			while (data available?)
			:read data;
			:generate diagrams;
			endwhile
			stop
			@enduml
				

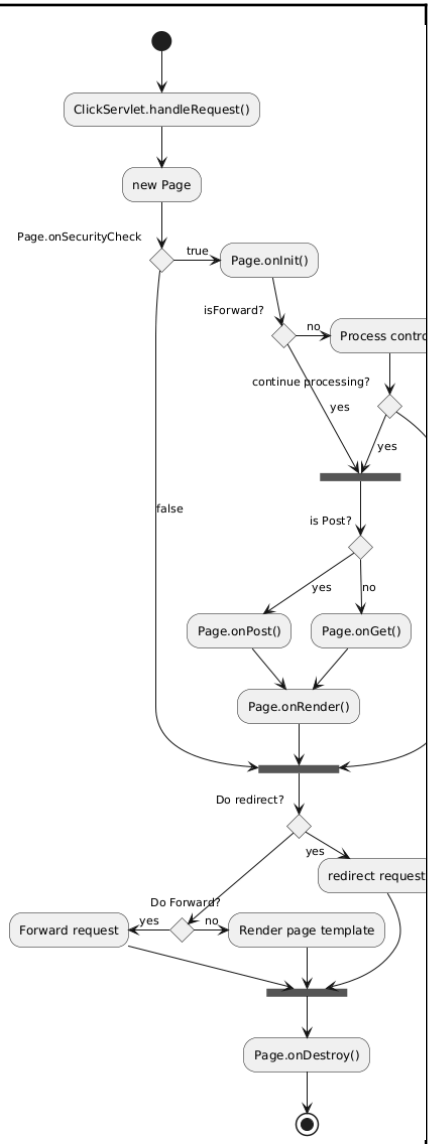
7	**Como** desarrollador de software, **quiero** que el sistema lea la configuración del layout en XML y genere automáticamente el código de interfaces, componentes, hilos y procesos, **para** mejorar el desarrollo y asegurar que la implementación siga la estructura definida en el XML sin errores manuales.	As a software developer, I want the system to read the layout configuration in XML and automatically generate code for interfaces, components, threads, and processes, to improve development and ensure that implementation follows the structure defined in the XML without manual errors.	@startuml
			
			start
			
			:Open and Read Layout Configuration XML;
			
			repeat
			  :**Read Process**;
			  repeat
			  :**Read Thread**;
			  repeat
			  :**Read Component**;
			  repeat
			  : **Read Interface**;
			  repeat while(interfaces?)
			  : **Generate Interfaces Code**;
			  repeat while(components?)
			  : **Generate Components Code**;
			  repeat while(threads?)
			  : **Generate Threads Code**;
			repeat while(processes?)
			:**Generate Processes Code**;
			
			stop
			
			@enduml
				

8	**Como** desarrollador de software, **quiero** analizar el bytecode, ejecutar pruebas unitarias y recolectar métricas de cobertura, **para** verificar que se cumplan los requisitos de cobertura y generar reportes que aseguren la calidad del código.	As a software developer, I want to analyze bytecode, run unit tests, and collect coverage metrics, to verify that coverage requirements are met and generate reports that ensure code quality.	@startuml
			
			(*) -right-> "Instrument Bytecode"
			-right-> "Run unit tests"
			-right-> "Collect Coverage Metrics"
			
			if "use metrics" then
			--> [check] "Verify Coverage Reqs."
			--> (*)
			else
			--> [cobertura] "Compile Coverage Report"
			--> (*)
			endif
			
			@enduml
				

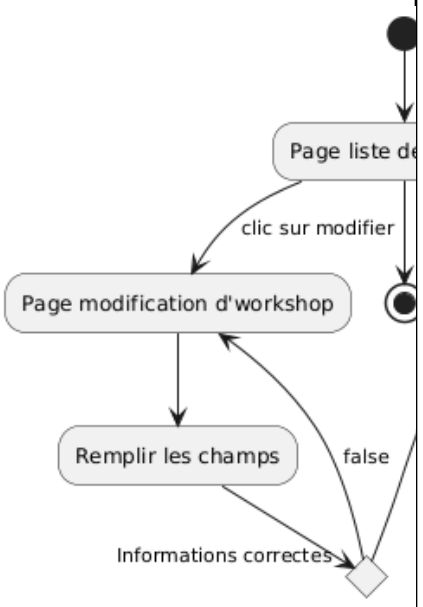
9	**Como** administrador de sistemas, **quiero** que el sistema configure Celeryd, verifique el estado y, según corresponda, monte el almacenamiento, registre la orquesta y arranque los servicios, **para** asegurar que todo el entorno operativo se inicialice correctamente sin errores manuales.	As a system administrator, I want the system to configure Celeryd, check its status, and, if necessary, mount storage, register the orchestra, and start the services, to ensure that the entire operational environment initializes correctly without manual errors.	@startuml
			
			(*) --> "STOP"
			--> "configure Celeryd"
			if "ok" then
			-right-> [No] "exit 1-4"
			--> (*)
			else
			--> [Yes] "(RE)MOUNT storage\nif configured"
			--> "REGISTER orchestra\nif configured"
			--> "START"
			--> (*)
			endif
			
			@enduml
				

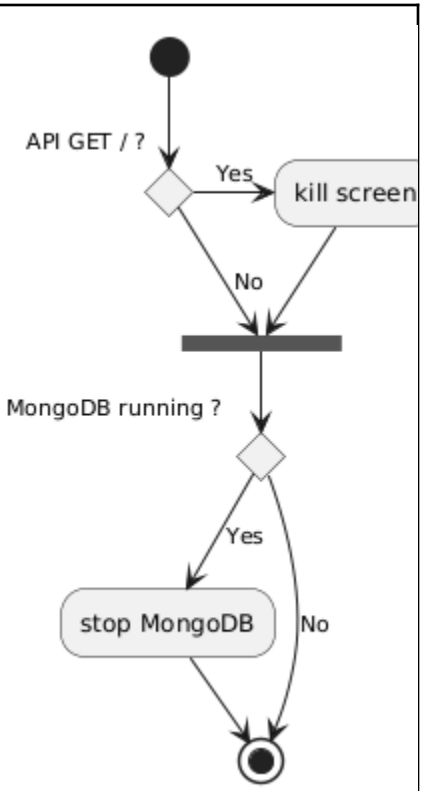
10	**Como** usuario del sistema de archivos, **quiero** leer un archivo mientras tenga contenido disponible, **para** procesar toda su información y cerrarlo correctamente al finalizar.	As a file system user, I want to read a file while it has available content, to process all its information and close it properly when finished.	@startuml while (check filesize ?) is (not empty) :read file; endwhile (empty) :close file; @enduml	

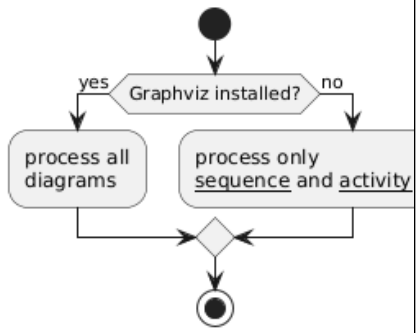
11	**Como** usuario de la plataforma, **quiero** eliminar una reseña que haya creado, **para** que pueda gestionar mis opiniones y recibir una confirmación si la eliminación fue exitosa o un mensaje de error si no es posible.	As a platform user, I want to delete a review I have created, so that I can manage my opinions and receive a confirmation if the deletion was successful or an error message if it is not possible.	@startuml
			
			title Delete review
			
			(*) --> "User clicks on delete review"
			--> if "Review is owned by user"
			--> [Success] "Delete review from DB"
			--> "Display success message"
			--> (*)
			else
			--> [Failure] "Display error message"
			--> (*)
			endif
			
			@enduml
				

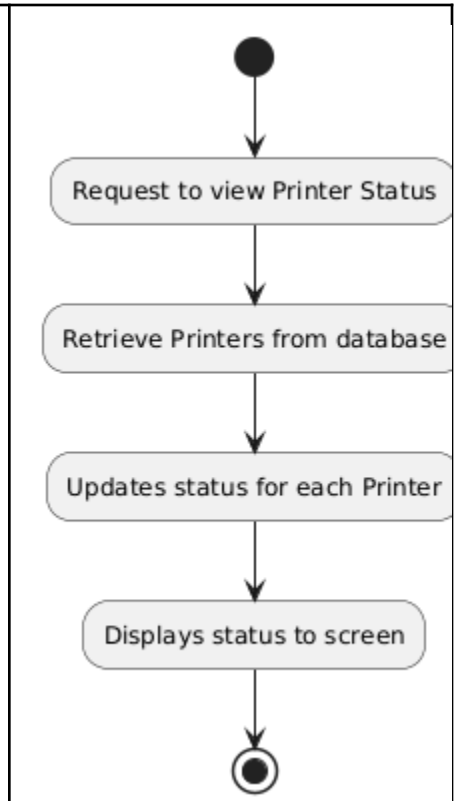
12	**Como** desarrollador de la aplicación web, **quiero** que el sistema gestione correctamente las solicitudes HTTP mediante ciclos de inicialización, seguridad, procesamiento de controles, renderizado y redirecciones o reenvíos, **para** asegurar que cada página se procese y muestre de manera consistente según el tipo de solicitud y la seguridad.	As a web application developer, I want the system to properly handle HTTP requests through initialization, security, control processing, rendering, and redirection or forwarding cycles, to ensure that each page is processed and displayed consistently according to the request type and security.	@startuml
			title Servlet Container
			
			(*) -->
			"ClickServlet.handleRequest()"
			--> "new Page"
			
			if "Page.onSecurityCheck" then
			->[true] "Page.onInit()"
			
			if "isForward?" then
			->[no] "Process controls"
			
			if "continue processing?" then
			-->[yes] ===RENDERING===
			else
			-->[no]
			===REDIRECT_CHECK===
			endif
			
			else
			-->[yes] ===RENDERING===
			endif
			
			if "is Post?" then
			-->[yes] "Page.onPost()"
			--> "Page.onRender()" as render
			--> ===REDIRECT_CHECK===
			else
			-->[no] "Page.onGet()"
			--> render
			endif
			
			else
			-->[false]
			===REDIRECT_CHECK===
			endif
			
			if "Do redirect?" then
			->[yes] "redirect request"
				

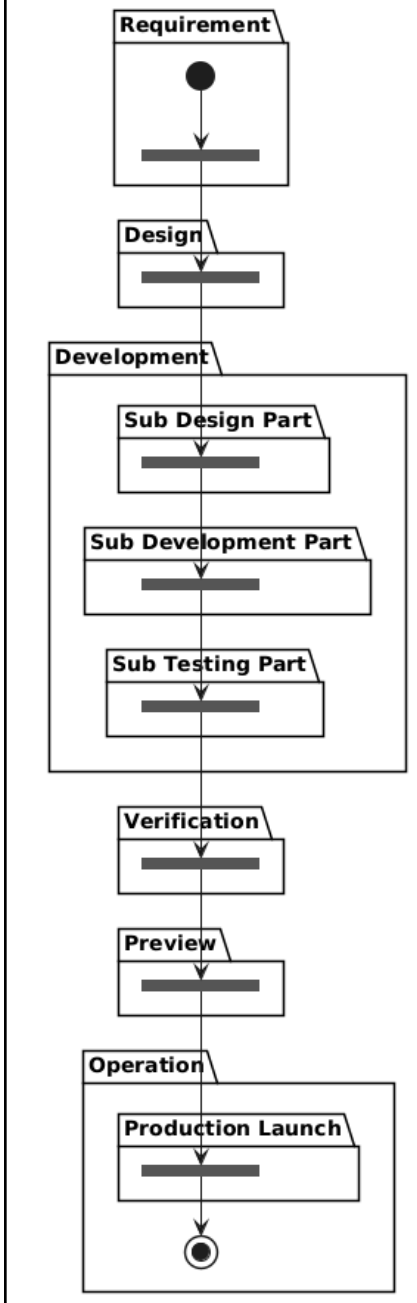
			--> ==BEFORE_DESTROY===
			else
			if "Do Forward?" then
			-left->[yes] "Forward request"
			--> ==BEFORE_DESTROY===
			else
			-right->[no] "Render page template"
			--> ==BEFORE_DESTROY===
			endif
			endif
			
			--> "Page.onDestroy()"
			-->(*)
			
			@enduml	

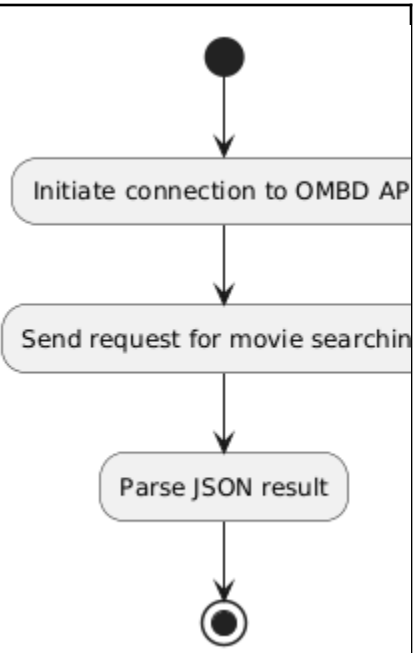
13	**Como** usuario del sistema de gestión de talleres, **quiero** poder modificar los datos de un taller desde la lista de talleres y completar los campos correspondientes, **para** que los cambios se guarden correctamente si la información es correcta o se me permita corregirlos si hay errores.	As a workshop management system user, I want to modify a workshop's data from the workshop list and fill in the corresponding fields, so that changes are saved correctly if the information is correct or I am allowed to correct them if there are errors.	@startuml
			
			(*) --> "Page liste des ateliers"
			-->[clic sur modifier] "Page modification d'workshop"
			--> "Remplir les champs"
			
			if "Informations correctes" then
			-->[true] "Page liste des ateliers"
			--> (*)
			else
			-->[false] "Page modification d'workshop"
			@enduml
				

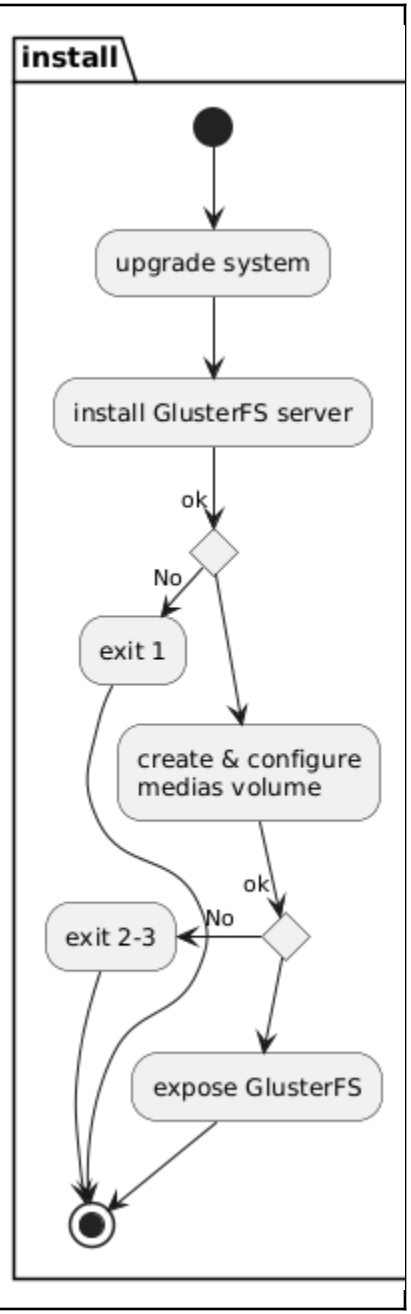
14	**Como** administrador del sistema, **quiero** pausar la pantalla y detener MongoDB dependiendo del estado de la API y de la base de datos, **para** asegurar que los servicios se cierren correctamente antes de realizar mantenimiento o reinicios.	As a system administrator, I want to pause the screen and stop MongoDB based on the status of the API and the database, to ensure that services shut down properly before performing maintenance or restarts.	@startuml
			
			(*) --> if "API GET / ?" then
			-right-> [Yes] "kill screen"
			--> ===A===
			else
			--> [No] ===A===
			endif
			if "MongoDB running ?" then
			--> [Yes] "stop MongoDB"
			--> (*)
			else
			--> [No] (*)
			endif
			
			@enduml
				

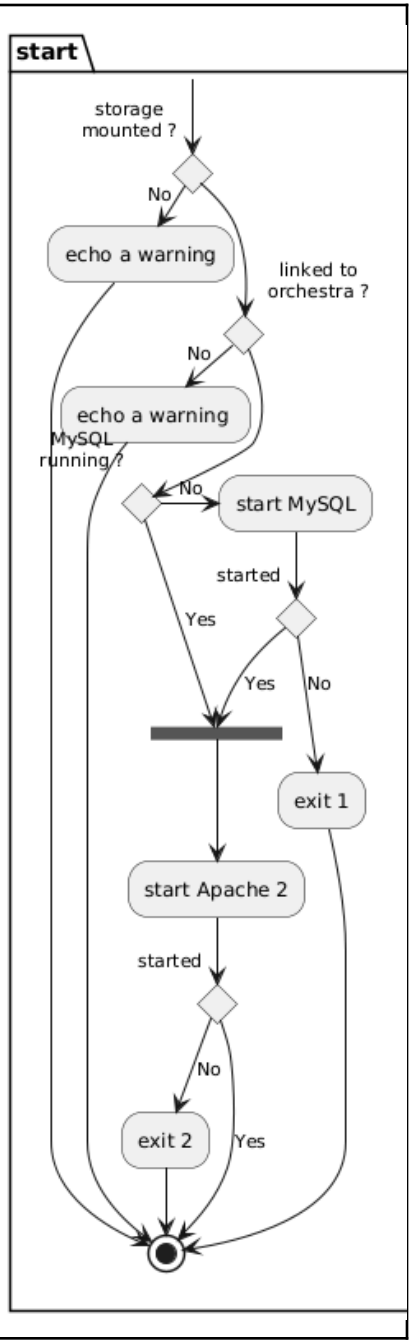
15	**Como** usuario de la herramienta de diagramas, **quiero** que se procesen todos los diagramas si Graphviz está instalado, **para** generar representaciones completas, y en caso contrario, que se procesen solo los diagramas de secuencia y actividades, **para** asegurar compatibilidad sin Graphviz.	As a diagram tool user, I want all diagrams to be processed if Graphviz is installed, to generate complete representations, and otherwise, only sequence and activity diagrams should be processed, to ensure compatibility without Graphviz.	@startuml
			start
			if (Graphviz installed?) then
			(yes)
			:process all\ndiagrams;
			else (no)
			:process only
			__sequence__ and
			__activity__ diagrams;
			endif
			stop
			@enduml
				

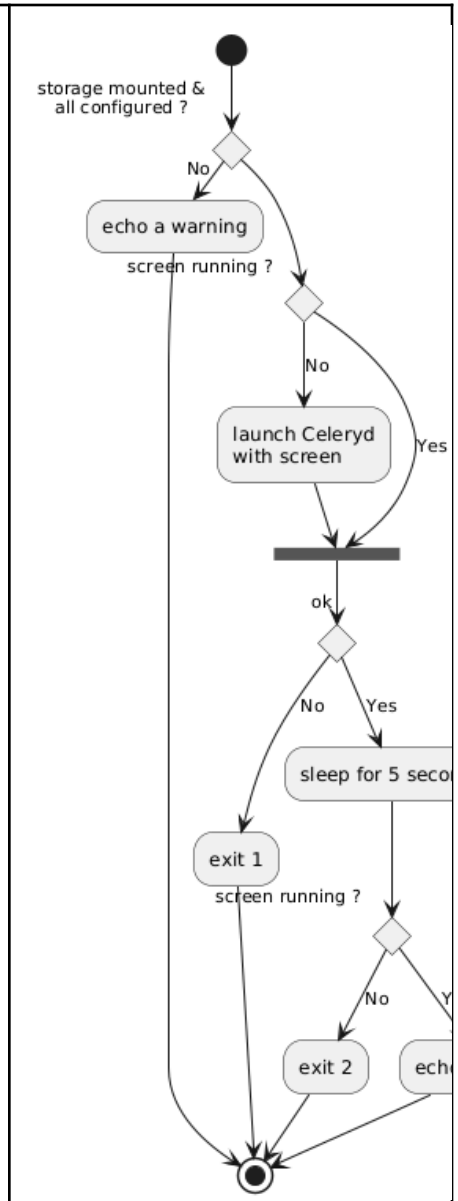
16	**Como** usuario del sistema de impresión, **quiero** solicitar la visualización del estado de las impresoras, **para** ver en pantalla la información actualizada de cada impresora disponible.	As a printing system user, I want to request the display of printer status, to see updated information for each available printer on screen.	@startuml (*) --> "Request to view Printer Status" --> Retrieve Printers from database --> Updates status for each Printer -->Displays status to screen -->(*) @enduml	

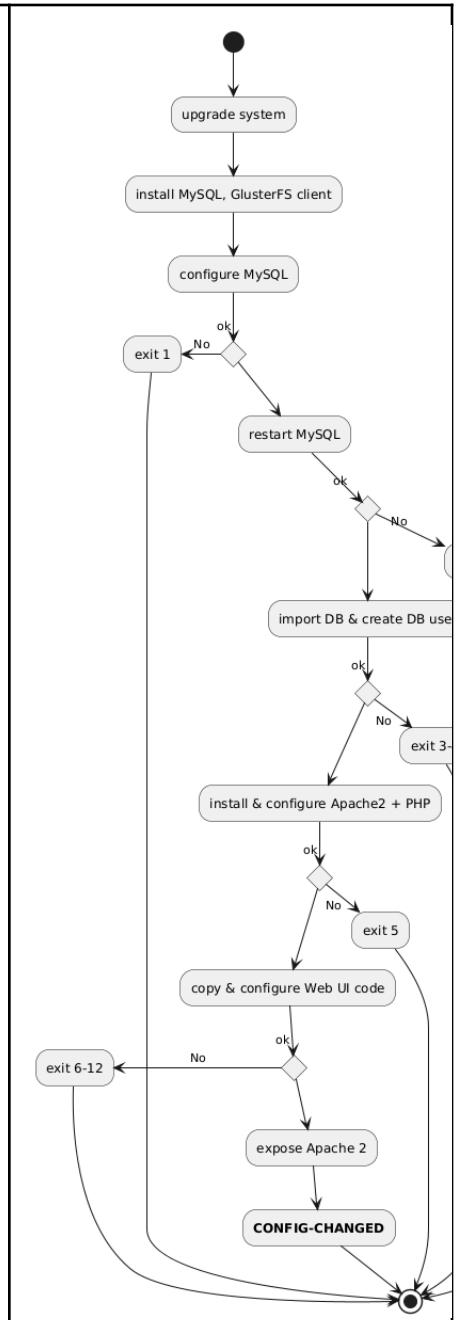
17	**Como** miembro del equipo de desarrollo, **quiero** seguir un flujo estructurado desde la definición de requisitos hasta el lanzamiento en producción, **para** asegurar que cada fase del proyecto, incluyendo diseño, desarrollo, pruebas, verificación y vista previa, se complete correctamente antes de operar en producción.	As a development team member, I want to follow a structured workflow from requirements definition to production release, to ensure that each project phase, including design, development, testing, verification, and preview, is completed correctly before going live.	@startuml partition Requirement (*) --> ===R=== end partition partition Design ===R=== --> ===D=== end partition partition Development partition "Sub Design Part" ===D=== --> ===SD=== end partition partition "Sub Development Part" ===SD=== --> ===SP=== end partition partition "Sub Testing Part" ===SP=== --> ===ST=== end partition end partition partition Verification ===ST=== --> ===SV=== end partition partition Preview ===SV=== --> ===SPR=== end partition partition Operation partition "Production Launch" ===SPR=== --> ===SPL=== end partition ===SPL=== --> (*) end partition @enduml	

18	**Como** usuario de la aplicación, **quiero** que el sistema verifique la entrada y active la salida detallada si es necesario antes de ejecutar un comando, **para** poder recibir información más completa sobre la ejecución cuando lo requiera.	As an application user, I want the system to validate input and enable detailed output if necessary before executing a command, so that I can receive more complete information about the execution when required.	@startuml
			(*) --> "check input"
			If "input is verbose" then
			--> [Yes] "turn on verbosity"
			--> "run command"
			else
			--> "run command"
			Endif
			-->(*)
			@enduml
				

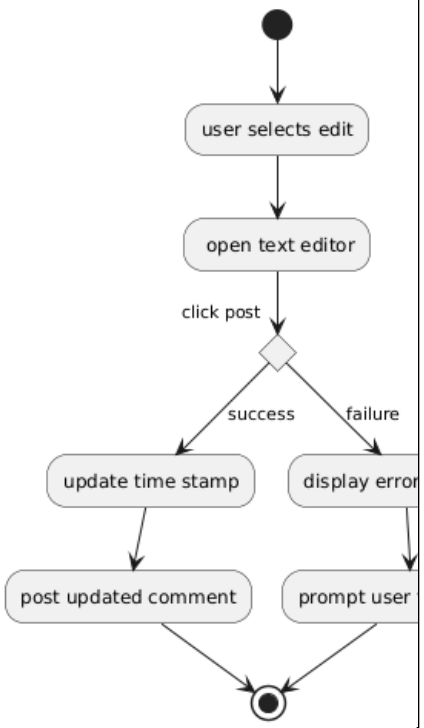
19	**Como** administrador del sistema, **quiero** que el proceso de instalación y configuración del servidor GlusterFS incluya la actualización del sistema, la instalación del servidor y la creación y exposición de volúmenes de medios, **para** asegurar que el entorno de almacenamiento distribuido esté correctamente configurado y operativo.	As a system administrator, I want the GlusterFS server installation and configuration process to include system updates, server installation, and the creation and exposure of media volumes, to ensure that the distributed storage environment is properly configured and operational.	@startuml
			
			partition install {
			(*) --> "upgrade system"
			--> "install GlusterFS server"
			if "ok" then
			-right-> [No] "exit 1"
			--> (*)
			else
			--> "create & configure\nmedias volume"
			if "ok" then
			-left-> [No] "exit 2-3"
			--> (*)
			else
			--> "expose GlusterFS"
			endif
			endif
			--> (*)
			}
			
			@enduml
				

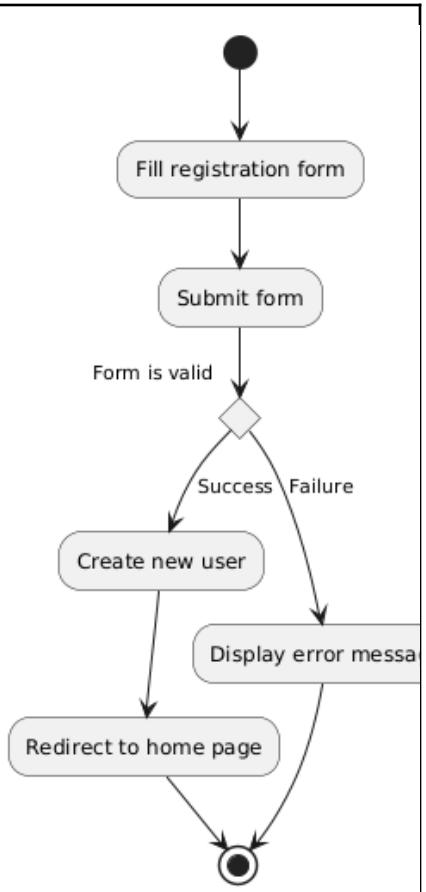
20	**Como** administrador del sistema, **quiero** que el proceso de inicio verifique el montaje del almacenamiento, la conexión con Orchestra, y el estado de MySQL y Apache 2, **para** asegurar que todos los servicios y dependencias necesarias estén activos antes de continuar con la operación del sistema.	As a system administrator, I want the startup process to check storage mounting, connection with Orchestra, and the status of MySQL and Apache 2, to ensure that all necessary services and dependencies are active before continuing with system operation.	@startuml
			
			partition start {
			(*) --> if "storage\nmounted ?" then
			-right-> [No] "echo a warning"
			--> (*)
			else
			if "linked to\norchestra ?" then
			-right-> [No] "echo a warning "
			--> (*)
			else
			if "MySQL\nrunning ?" then
			-right-> [No] "start MySQL"
			if "started" then
			--> [No] "exit 1"
			--> (*)
			else
			--> [Yes] ===A===
			endif
			else
			--> [Yes] ===A===
			endif
			--> "start Apache 2"
			if "started" then
			--> [No] "exit 2"
			--> (*)
			else
			--> [Yes] (*)
			endif
			endif
			endif
			}
			
			@enduml
				

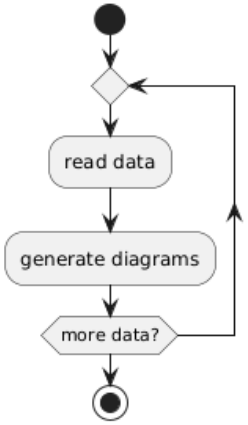
21	**Como** administrador del sistema, **quiero** que el inicio verifique el almacenamiento, la configuración y el estado del servicio Celery, **para** asegurar que el sistema esté correctamente preparado y que los servicios críticos se ejecuten sin errores antes de continuar.	As a system administrator, I want the startup process to verify storage, configuration, and the status of the Celery service, to ensure the system is properly prepared and critical services run without errors before continuing.	@startuml
			
			(*) --> if "storage mounted &\nall configured ?" then
			  -right-> [No] "echo a warning"
			  --> (*)
			else
			  --> if "screen running ?" then
			  --> [No] "launch Celeryd\nwith screen"
			  --> ===A===
			  else
			  --> [Yes] ===A===
			  endif
			  if "ok" then
			  --> [No] "exit 1"
			  --> (*)
			  else
			  --> [Yes] "sleep for 5 seconds"
			  if "screen running ?" then
			  --> [No] "exit 2"
			  --> (*)
			  else
			  --> [Yes] "echo a success"
			  --> (*)
			  endif
			  endif
			endif
			
			@enduml
				

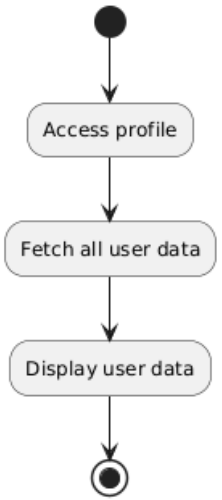
22	**Como** administrador del sistema, **quiero** actualizar el sistema, instalar y configurar MySQL, GlusterFS, Apache2 y el código de la interfaz web, **para** garantizar que todos los servicios y la interfaz web estén correctamente instalados, configurados y listos para su uso.	As a system administrator, I want to update the system, install and configure MySQL, GlusterFS, Apache2, and the web interface code, to ensure that all services and the web interface are correctly installed, configured, and ready for use.	@startuml
			
			(*) --> "upgrade system"
			--> "install MySQL, GlusterFS client"
			--> "configure MySQL"
			if "ok" then
			-left-> [No] "exit 1"
			--> (*)
			else
			--> "restart MySQL"
			if "ok" then
			-right-> [No] "exit 2"
			--> (*)
			else
			--> "import DB & create DB user"
			if "ok" then
			-right-> [No] "exit 3-4"
			--> (*)
			else
			--> "install & configure Apache2 + PHP"
			if "ok" then
			-right-> [No] "exit 5"
			--> (*)
			else
			--> "copy & configure Web UI code"
			if "ok" then
			-left-> [No] "exit 6-12"
			--> (*)
			else
			--> "expose Apache 2"
			-->
			"CONFIG-CHANGED"
			--> (*)
			endif
			endif
			endif
			endif
				

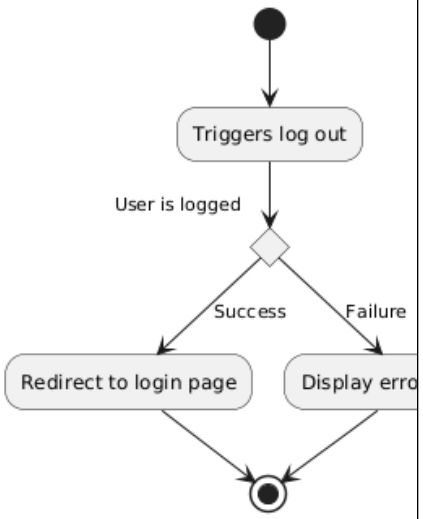
			endif @enduml	

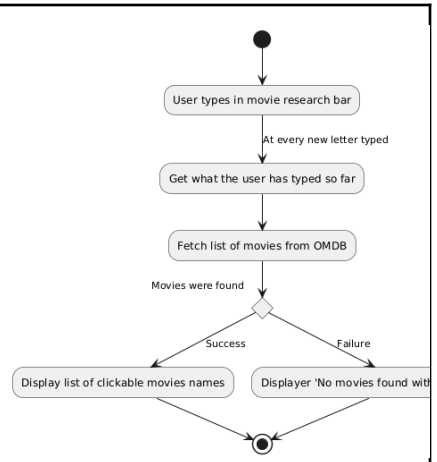
23	**Como** usuario de la plataforma, **quiero** seleccionar un comentario para editar y publicarlo nuevamente, **para** actualizar mi comentario correctamente o recibir un aviso si ocurre un error y poder intentarlo de nuevo.	As a platform user, I want to select a comment to edit and republish it, to update my comment correctly or receive a notification if an error occurs so I can try again.	@startuml
			title edit review
			(*)-->"user selects edit"
			-->" open text editor"
			-->if "click post" then
			-->[success]"update time stamp"
			--> "post updated comment"
			-->(*)
			else
			-->[failure]"display error message"
			-->"prompt user to try again"
			-->(*)
			endif
			
			@enduml
				

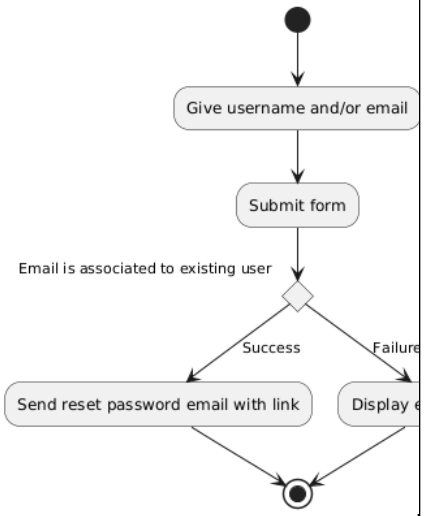
24	**Como** nuevo usuario del sistema, **quiero** llenar y enviar el formulario de registro, **para** crear mi cuenta si la información es válida o recibir un mensaje de error si algo está incorrecto.	As a new system user, I want to fill out and submit the registration form, to create my account if the information is valid or receive an error message if something is incorrect.	@startuml
			
			(*) --> "Fill registration form"
			--> "Submit form"
			--> if "Form is valid"
			--> [Success] "Create new user"
			--> "Redirect to home page"
			--> (*)
			else
			--> [Failure] "Display error message"
			--> (*)
			endif
			
			@enduml
				

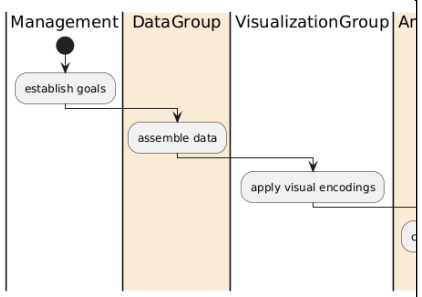
25	**Como** analista de datos, **quiero** leer los datos disponibles y generar diagramas automáticamente, **para** visualizar y representar la información de manera clara mientras haya datos por procesar.	As a data analyst, I want to read the available data and automatically generate diagrams, to visualize and represent the information clearly while there is data to process.	@startuml start repeat :read data; :generate diagrams; repeat while (more data?) stop @enduml	

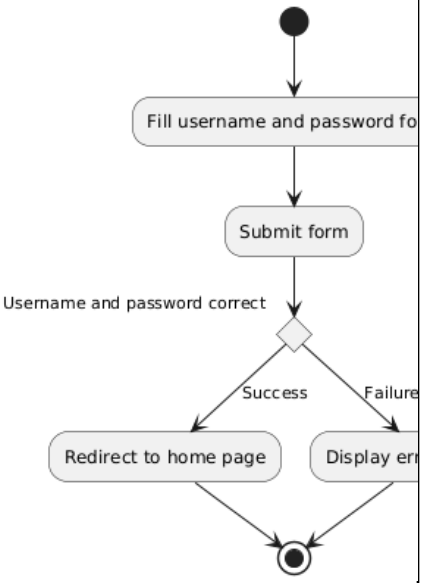
26	**Como** usuario del sistema, **quiero** acceder a mi perfil y ver todos mis datos, **para** consultar mi información de manera clara y completa.	As a system user, I want to access my profile and view all my data, so that I can consult my information clearly and completely.	@startuml (*) --> "Access profile" --> "Fetch all user data" --> "Display user data" --> (*) @enduml	

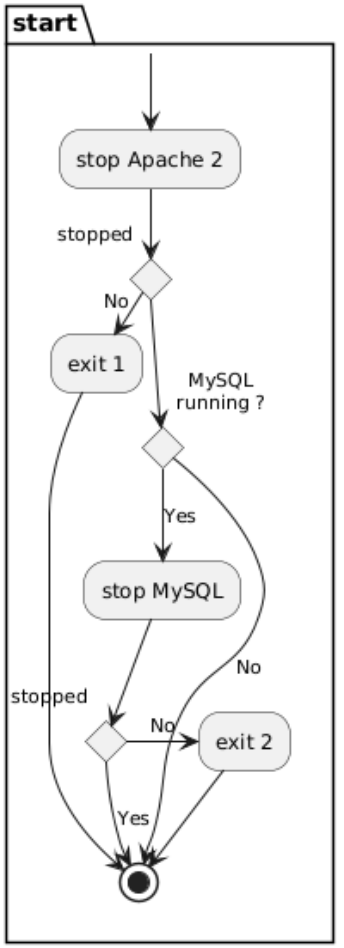
27	**Como** usuario de la aplicación, **quiero** cerrar mi sesión, **para** ser redirigido a la página de inicio de sesión y asegurar la privacidad de mi cuenta.	As an application user, I want to log out, to be redirected to the login page and ensure the privacy of my account.	@startuml
			
			(*) --> "Triggers log out"
			--> if "User is logged"
			--> [Success] "Redirect to login page"
			--> (*)
			else
			--> [Failure] "Display error message"
			--> (*)
			endif
			
			@enduml
				

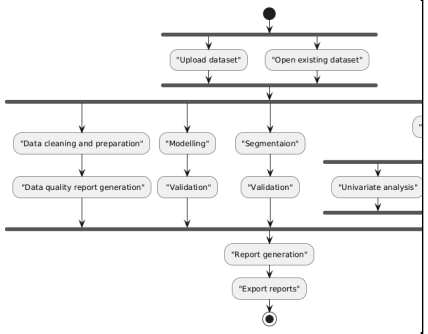
28	**Como** usuario de la aplicación, **quiero** buscar películas mientras escribo en la barra de búsqueda, **para** ver una lista de nombres de películas que coincidan con lo que estoy escribiendo y poder seleccionar rápidamente la que me interesa.	As an application user, I want to search for movies as I type in the search bar, to see a list of movie names that match what I am typing and quickly select the one I am interested in.	@startuml
			
			(*) --> "User types in movie research bar"
			--> [At every new letter typed] "Get what the user has typed so far"
			--> "Fetch list of movies from OMDB"
			--> if "Movies were found"
			--> [Success] "Display list of clickable movies names"
			--> (*)
			else
			--> [Failure] "Displayer 'No movies found with this name' message"
			--> (*)
			endif
			@enduml
				

29	**Como** usuario que olvidó su contraseña, **quiero** ingresar mi nombre de usuario o correo electrónico en un formulario, **para** recibir un correo con un enlace que me permita restablecer mi contraseña si mi información está registrada en el sistema.	As a user who forgot my password, I want to enter my username or email in a form, to receive an email with a link that allows me to reset my password if my information is registered in the system.	@startuml
			
			(*) --> "Give username and/or email"
			--> "Submit form"
			--> if "Email is associated to existing user"
			--> [Success] "Send reset password email with link"
			--> (*)
			else
			--> [Failure] "Display error message"
			--> (*)
			endif
			
			@enduml
				

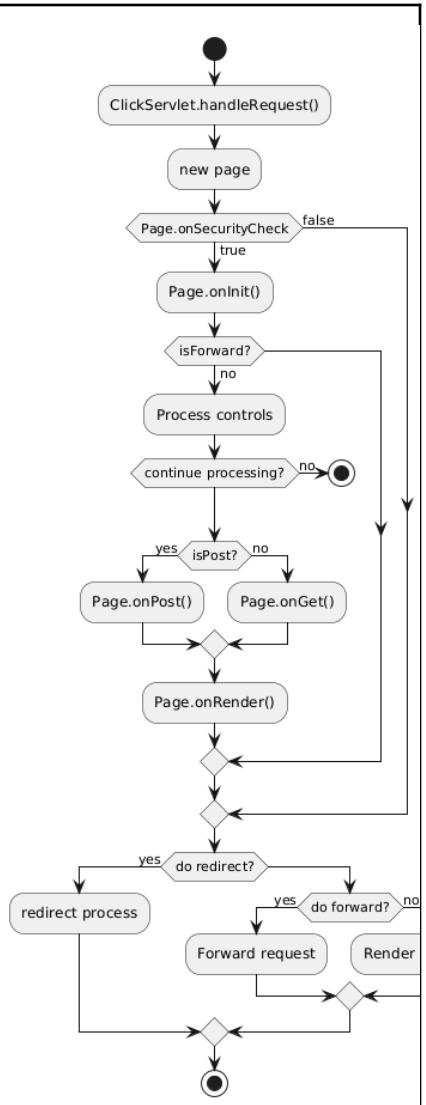
30	**Como** miembro del equipo del proyecto, **quiero** establecer metas, recopilar datos, aplicar codificaciones visuales y generar hipótesis, **para** analizar la información de manera estructurada y facilitar la toma de decisiones basada en evidencias.	As a project team member, I want to set goals, collect data, apply visual codings, and generate hypotheses, to analyze information in a structured way and facilitate evidence-based decision-making.	@startuml |#White|Management| start :establish goals; |#AntiqueWhite|DataGroup| :assemble data; |#White|VisualizationGroup| :apply visual encodings; |#AntiqueWhite|AnalyticsGroup| :create hypotheses; stop @enduml	

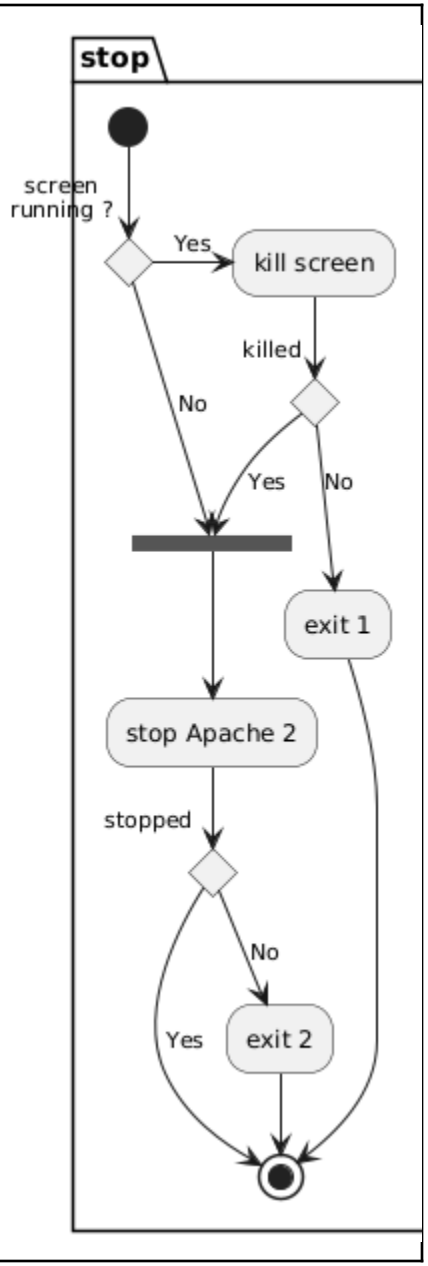
31	**Como** usuario registrado, **quiero** poder iniciar sesión ingresando mi nombre de usuario y contraseña, **para** acceder a la página principal de la aplicación y utilizar sus funcionalidades de manera segura.	As a registered user, I want to log in using my username and password, to access the application's main page and use its features securely.	@startuml
			
			(*) --> "Fill username and password form"
			--> "Submit form"
			--> if "Username and password correct"
			--> [Success] "Redirect to home page"
			--> (*)
			else
			--> [Failure] "Display error message"
			--> (*)
			endif
			
			@enduml
				

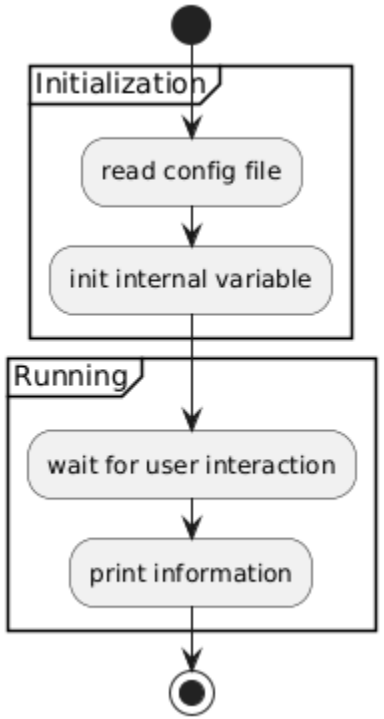
32	**Como** administrador del sistema, **quiero** detener los servicios de Apache2 y MySQL de manera controlada, **para** asegurarme de que el entorno se cierre correctamente antes de ejecutar tareas de mantenimiento o actualizaciones.	As a system administrator, I want to stop Apache2 and MySQL services in a controlled manner, to ensure the environment shuts down properly before performing maintenance or updates.	@startuml
			
			partition start {
			(*) --> "stop Apache 2"
			if "stopped" then
			-right-> [No] "exit 1"
			--> (*)
			else
			if "MySQL\nrunning ?" then
			--> [Yes] "stop MySQL"
			if "stopped" then
			-right-> [No] "exit 2"
			--> (*)
			else
			--> [Yes] (*)
			endif
			else
			--> [No] (*)
			endif
			endif
			}
			
			@enduml
				

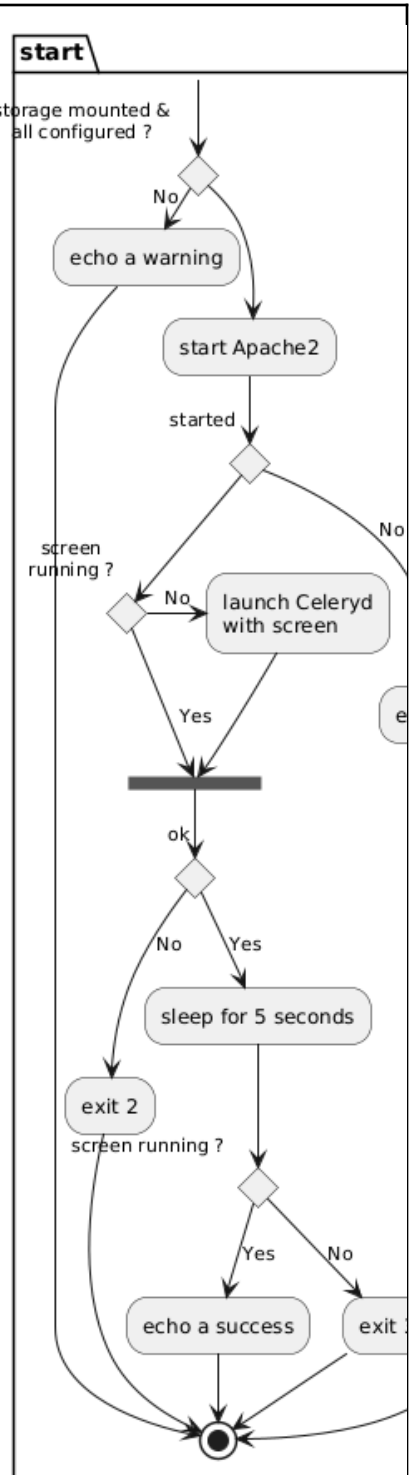
33	**Como** analista de datos, **quiero** cargar o abrir datasets existentes, limpiarlos, explorarlos, modelarlos y validarlos, **para** obtener reportes de calidad que permitan extraer información útil, generar segmentaciones y compartir los resultados con los interesados.	As a data analyst, I want to load or open existing datasets, clean, explore, model, and validate them, to generate quality reports that allow extracting useful information, creating segmentations, and sharing results with stakeholders.	@startuml start fork :"Upload dataset"; fork again :"Open existing dataset"; end fork fork	

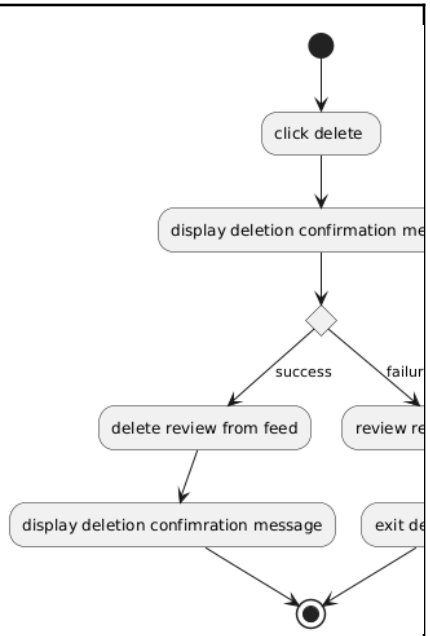
			:"Data cleaning and preparation"; : "Data quality report generation"; fork again :"Modelling"; : "Validation"; fork again :"Segmentaion"; :"Validation"; fork again :"EDA"; fork :"Univariate analysis"; fork again :"Bivariate analysis"; end fork end fork :"Report generation"; :"Export reports"; stop @enduml	

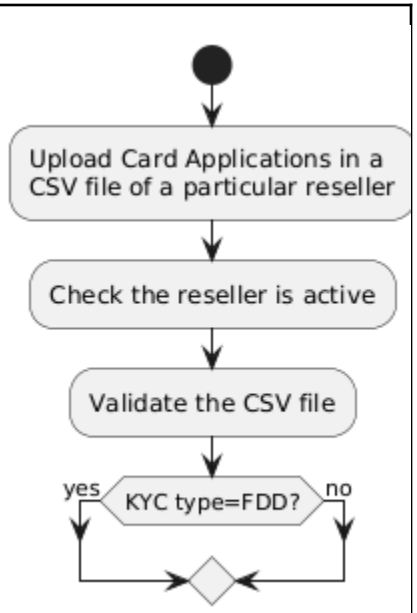
34	**Como** usuario de la aplicación web, **quiero** que el sistema procese mis solicitudes de forma segura y eficiente, **para** que pueda acceder a la página solicitada, ya sea mostrando la información correcta, dirigiendo o respondiendo con la acción adecuada según el tipo de petición.	As a web application user, I want the system to process my requests securely and efficiently, so that I can access the requested page, either by displaying the correct information, redirecting, or responding with the appropriate action depending on the type of request.	@startuml
			start
			
			:ClickServlet.handleRequest();
			:new page;
			if (Page.onSecurityCheck) then (true)
			:Page.onInit();
			if (isForward?) then (no)
			:Process controls;
			if (continue processing?) then (no)
			stop
			endif
			if (isPost?) then (yes)
			:Page.onPost();
			else (no)
			:Page.onGet();
			endif
			:Page.onRender();
			endif
			else (false)
			endif
			if (do redirect?) then (yes)
			:redirect process;
			else
			if (do forward?) then (yes)
			:Forward request;
			else (no)
			:Render page template;
			endif
			endif
			stop
			@enduml
				

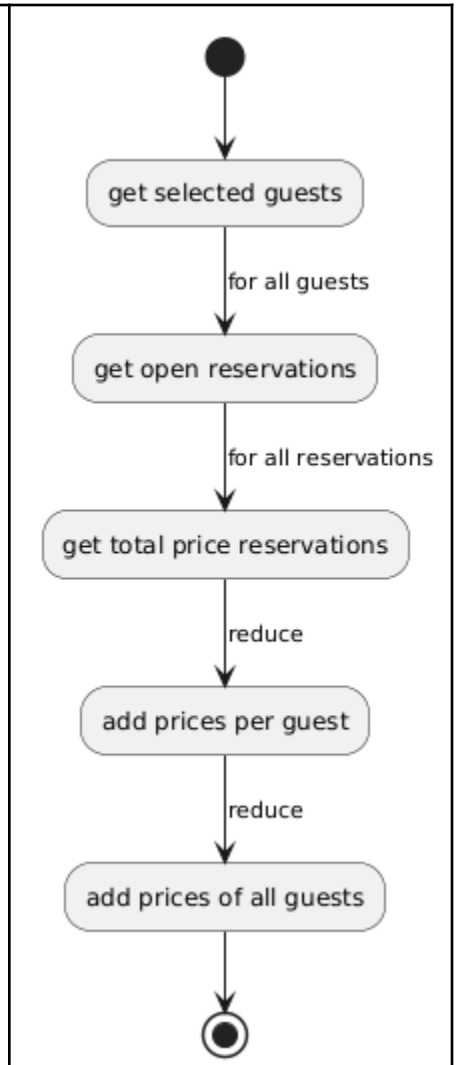
35	**Como** administrador del sistema, **quiero** que el sistema verifique si existen procesos activos en *screen* y detenga los servicios asociados, incluido Apache 2, **para** asegurar una correcta liberación de recursos y un apagado controlado sin dejar procesos colgados.	As a system administrator, I want the system to check for active processes in screen and stop the associated services, including Apache2, to ensure proper resource release and a controlled shutdown without leaving processes hanging.	@startuml
			
			partition stop {
			(*) --> if "screen\nrunning ?" then
			-right-> [Yes] "kill screen"
			if "killed" then
			--> [No] "exit 1"
			--> (*)
			else
			--> [Yes] ===A===
			endif
			else
			--> [No] ===A===
			endif
			--> "stop Apache 2"
			if "stopped" then
			--> [No] "exit 2"
			--> (*)
			else
			--> [Yes] (*)
			endif
			}
			
			@enduml
				

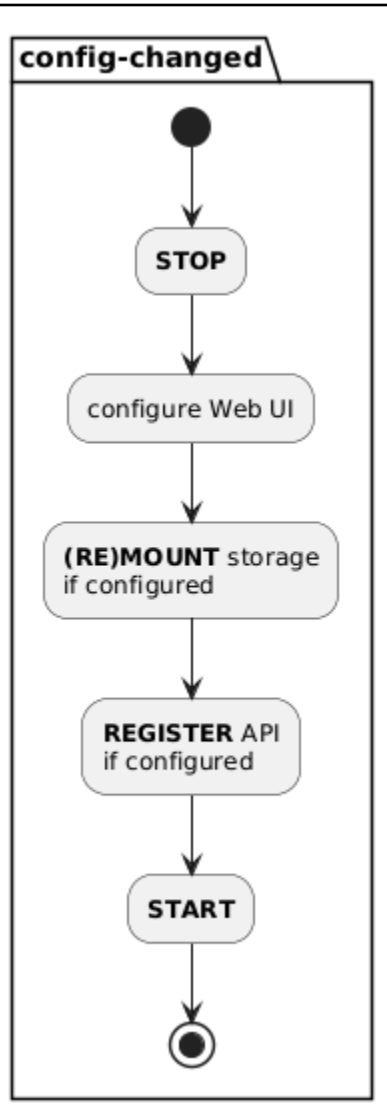
36	**Como** usuario de la aplicación, **quiero** que el sistema lea la configuración e inicialice sus variables internas, **para** que la aplicación esté lista para responder a mis interacciones y mostrarme la información que necesito.	As an application user, I want the system to read the configuration and initialize its internal variables, so that the application is ready to respond to my interactions and display the information I need.	@startuml
			start
			partition Initialization {
			:read config file;
			:init internal variable;
			}
			partition Running {
			:wait for user interaction;
			:print information;
			}
			stop
			@enduml
				

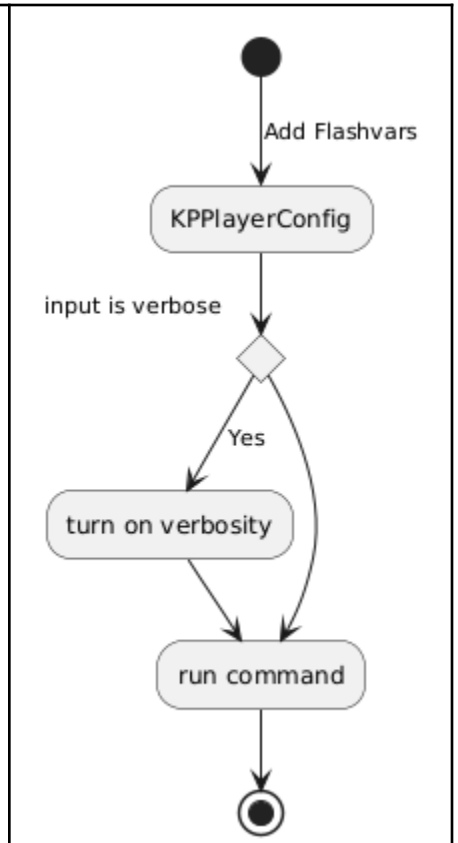
37	**Como** administrador del sistema, **quiero** que el sistema verifique el almacenamiento y la configuración antes de iniciar los servicios, **para** asegurarme de que Apache2 y Celeryd se ejecuten correctamente y que el proceso de arranque notifique cualquier error o éxito.	As a system administrator, I want the system to verify storage and configuration before starting services, to ensure Apache2 and Celeryd run correctly and the startup process reports any errors or successes.	@startuml
			
			partition start {
			(*) --> if "storage mounted &\nall configured ?" then
			-right-> [No] "echo a warning"
			--> (*)
			else
			--> "start Apache2"
			--> if "started" then
			--> [No] "exit 1"
			--> (*)
			else
			--> if "screen\nrunning ?" then
			-right-> [No] "launch Celeryd\nwith screen"
			--> ===A===
			else
			--> [Yes] ===A===
			endif
			if "ok" then
			--> [No] "exit 2"
			--> (*)
			else
			--> [Yes] "sleep for 5 seconds"
			if "screen running ?" then
			--> [No] "exit 3"
			--> (*)
			else
			--> [Yes] "echo a success"
			--> (*)
			endif
			endif
			endif
			endif
			}
			
			@enduml
				

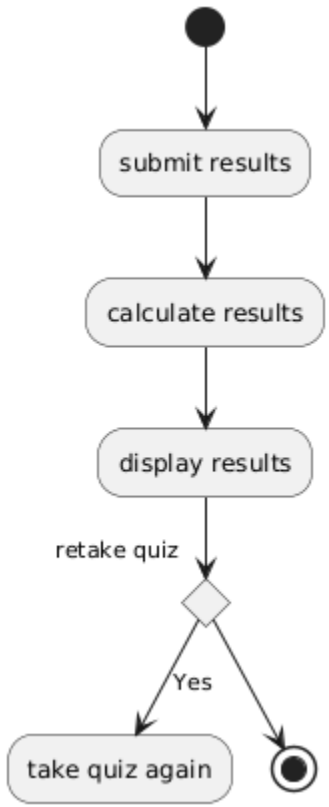
38	**Como** usuario de la plataforma, **quiero** poder eliminar una reseña que publiqué, **para** mantener mi perfil y mi feed actualizados según mi preferencia.	As a platform user, I want to be able to delete a review I posted, to keep my profile and feed updated according to my preferences.	@startuml
			title delete review
			(*) --> "click delete "
			--> "display deletion confirmation message"
			-->if "" then
			-->[success] "delete review from feed"
			-->"display deletion confimration message"
			-->(*)
			else
			-->[failure]"review remains in feed"
			-->"exit deletion option"
			-->(*)
			endif
			
			@enduml
				

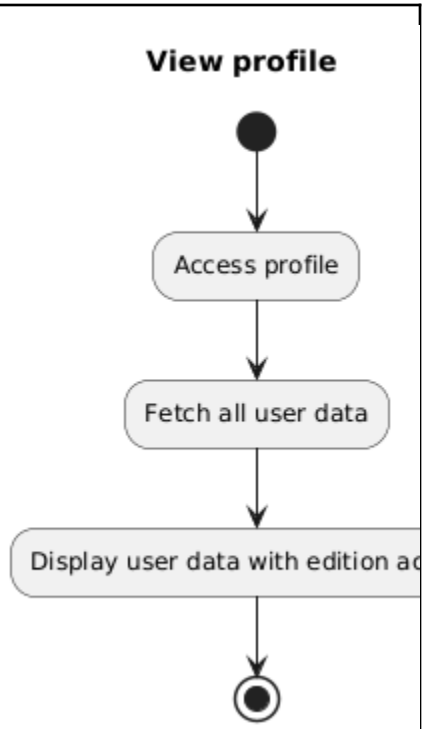
39	**Como** administrador del sistema, **quiero** subir las solicitudes de tarjeta desde un archivo CSV de un revendedor activo, verificar que el revendedor esté habilitado y validar el archivo CSV, **para** asegurar que las solicitudes se procesen correctamente según el tipo de KYC.	As a system administrator, I want to upload card applications from a CSV file of an active reseller, check that the reseller is active, and validate the CSV file, so that the applications are processed correctly according to the KYC type.	@startuml
			start
			:Upload Card Applications in a CSV file of a particular reseller;
			
			:Check the reseller is active;
			:Validate the CSV file;
			if (KYC type=FDD?) then (yes)
			
			else (no)
			endif
			
			@enduml
				

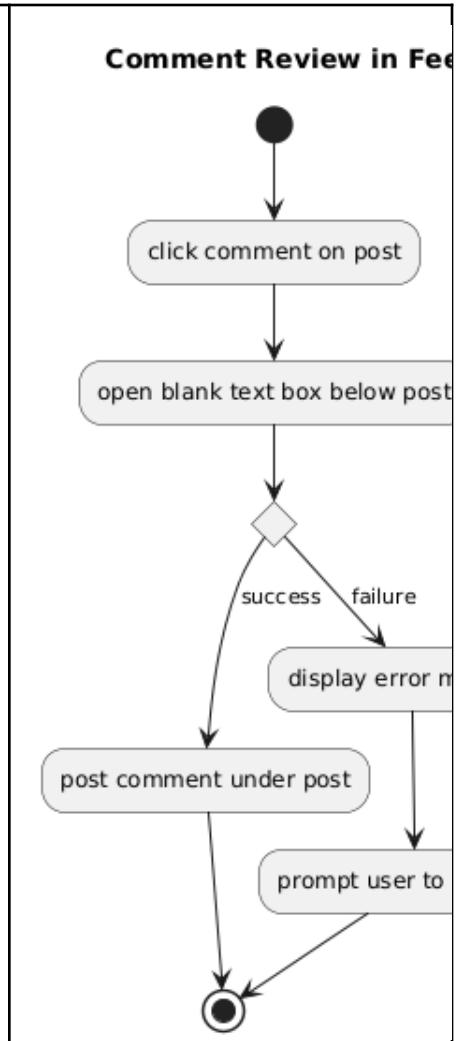
40	**Como** organizador de eventos, **quiero** que el sistema calcule automáticamente el total del precio de todas las reservas de cada invitado y luego el total general de todos los invitados, **para** conocer de manera precisa cuánto se debe cobrar o registrar para el evento.	As an event organizer, I want the system to automatically calculate the total price of all reservations for each guest and then the overall total for all guests, so that I can accurately determine the amount to charge or record for the event.	@startuml (*) --> "get selected guests" -->[for all guests] get open reservations -->[for all reservations] get total price reservations -->[reduce] add prices per guest -->[reduce] add prices of all guests -->(*) @enduml	

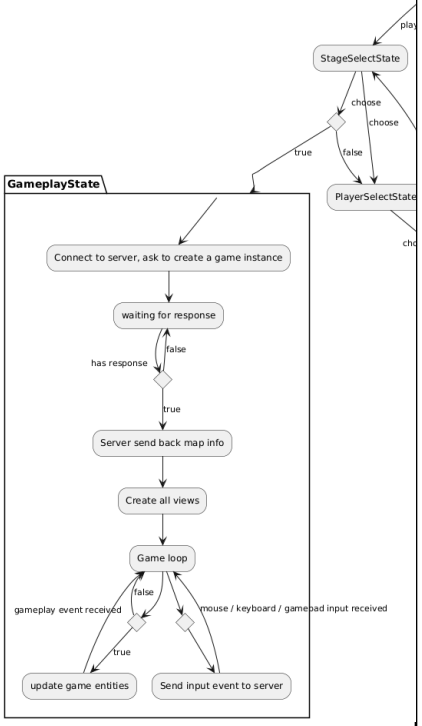
41	**Como** administrador del sistema, **quiero** detener los servicios, configurar la interfaz web, montar el almacenamiento si está habilitado, registrar la API si está configurada y luego reiniciar los servicios, **para** asegurar que todos los cambios de configuración se apliquen correctamente y el sistema funcione con la nueva configuración.	As a system administrator, I want to stop the services, configure the web interface, mount storage if enabled, register the API if configured, and then restart the services, so that all configuration changes are applied correctly and the system operates with the updated setup.	@startuml
			
			partition config-changed {
			(*) --> "STOP"
			--> "configure Web UI"
			--> "(RE)MOUNT storage\nif configured"
			--> "REGISTER API\nif configured"
			--> "START"
			--> (*)
			}
			
			@enduml
				

42	**Como** usuario del sistema, **quiero** agregar Flashvars a la configuración de KPPlayer, activar el modo detallado si es necesario y ejecutar el comando, **para** asegurar que el reproductor funcione correctamente y pueda recibir la configuración adecuada según el nivel de detalle requerido.	As a system user, I want to add Flashvars to the KPPlayer configuration, enable verbose mode if needed, and run the command, so that the player functions correctly and receives the appropriate configuration based on the required level of detail.	@startuml
			(*) --> [Add Flashvars] "KPPlayerConfig"
			If "input is verbose" then
			--> [Yes] "turn on verbosity"
			--> "run command"
			else
			--> "run command"
			Endif
			-->(*)
			@enduml
				

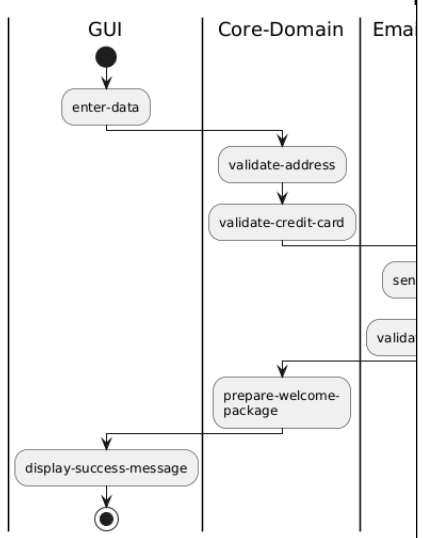
43	**Como** estudiante, **quiero** enviar mis resultados del cuestionario, calcularlos y visualizarlos, **para** evaluar mi desempeño y, si lo requiere, repetir el cuestionario para mejorar mis resultados.	As a student, I want to submit my quiz results, calculate them, and view them, so that I can assess my performance and, if needed, retake the quiz to improve my results.	@startuml
			(*) --> "submit results"
			--> calculate results
			--> display results
			
			If "retake quiz" then
			--> [Yes] "take quiz again"
			else
			-->(*)
			@enduml
				

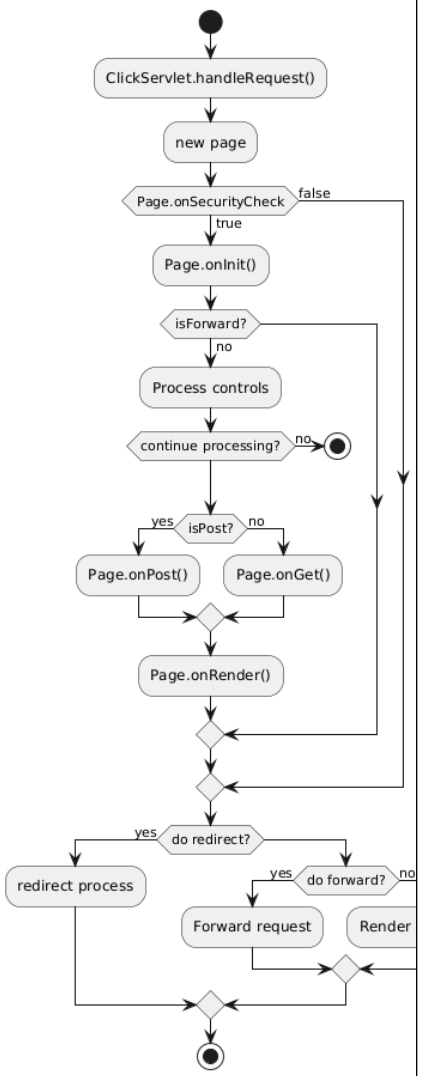
44	**Como** usuario del sistema, **quiero** acceder a mi perfil, consultar todos mis datos y poder editarlos, **para** mantener mi información actualizada y gestionarla de manera sencilla.	As a system user, I want to access my profile, review all my data, and be able to edit it, to keep my information up-to-date and manage it easily.	@startuml title View profile (*) --> "Access profile" --> "Fetch all user data" --> "Display user data with edition actions" --> (*) @enduml	

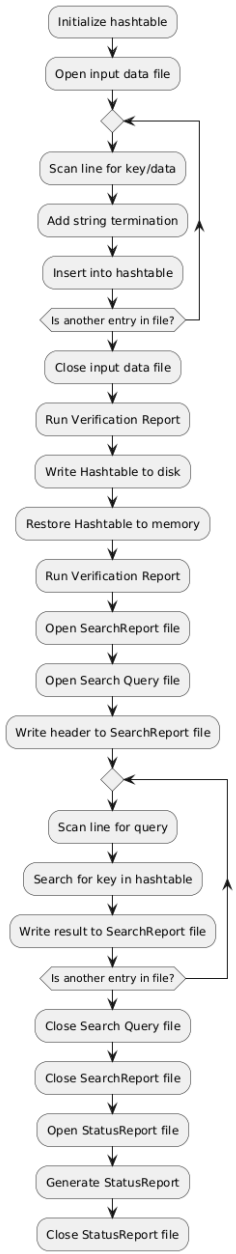
45	**Como** usuario del sistema, **quiero** agregar comentarios a las publicaciones en el feed, **para** participar en la conversación y compartir mi opinión con otros usuarios.	As a system user, I want to add comments to posts in the feed, to participate in the conversation and share my opinion with other users.	@startuml
			title Comment Review in Feed
			(*) --> "click comment on post"
			--> "open blank text box below post"
			-->if "" then
			-->[success] "post comment under post"
			-->(*)
			else
			-->[failure]"display error message"
			-->"prompt user to try again"
			-->(*)
			endif
			
			@enduml
				

46	**Como** usuario del juego, **quiero** navegar por el menú, seleccionar niveles y personajes, conectarme al servidor y jugar en tiempo real, **para** disfrutar de la experiencia de juego completa, interactuar con otros jugadores y participar en la dinámica del juego de manera fluida.	As a game user, I want to navigate the menu, select levels and characters, connect to the server, and play in real time, so that I can enjoy the full gaming experience, interact with other players, and participate in the game dynamics smoothly.	@startuml
			(*) --> "Main start"
			--> "Preloader"
			--> "MenuState"
			if "button" then
			--> [play] "StageSelectState"
			--> [choose] "PlayerSelectState"
			if "choose" then
			--> [true] "StageSelectState"
			if "choose" then
			partition GameplayState {
			--> [true] "GameplayState"
			--> "Connect to server, ask to create a game instance"
			--> "waiting for response"
			if "has response" then
			--> [true] "Server send back map info"
			--> "Create all views"
			--> "Game loop"
			if "gameplay event received" then
			--> [true] "update game entities"
			--> "Game loop"
			else
			--> [false] "Game loop"
			endif
			
			if "mouse / keyboard / gamepad input received"
			
			--> Send input event to server
				

			--> "Game loop"
			
			endif
			else
			
			-->[false] "waiting for response"
			endif
			}
			else
			--> [false] "PlayerSelectState"
			endif
			else
			--> [false] "MenuState"
			endif
			else
			--> [option] "OptionState"
			--> [back] "MenuState"
			endif
			@enduml	

47	**Como** usuario del sistema, **quiero** ingresar mis datos personales y de pago, recibir confirmación por correo y ver un mensaje de éxito en la interfaz, **para** poder completar mi registro de manera segura y recibir la información de bienvenida correctamente.	As a system user, I want to enter my personal and payment information, receive confirmation by email, and see a success message in the interface, to complete my registration securely and receive the welcome information correctly.	@startuml |GUI| start :enter-data; |Core-Domain| :validate-address; :validate-credit-card; |Email-Provider| :send-optin-mail; :validate-smtp-return; |Core-Domain| :prepare-welcome-\npackage; |GUI| :display-success-message; stop @enduml	

48	**Como** usuario del sistema, **quiero** que el sistema gestione las solicitudes de páginas web mediante la verificación de seguridad, la inicialización de las páginas y la ejecución de los métodos correspondientes según el tipo de petición, **para** interactuar con la aplicación de manera segura y eficiente, obteniendo la página correcta mediante renderizado, redirección o reenvío.	As a system user, I want the system to handle web page requests by performing security checks, initializing pages, and executing the appropriate methods based on the request type, so that I can interact with the application safely and efficiently, receiving the correct page through rendering, redirection, or forwarding.	@startuml
			
			start
			:ClickServlet.handleRequest();
			:new page;
			if (Page.onSecurityCheck) then (true)
			:Page.onInit();
			if (isForward?) then (no)
			:Process controls;
			if (continue processing?) then (no)
			stop
			endif
			
			if (isPost?) then (yes)
			:Page.onPost();
			else (no)
			:Page.onGet();
			endif
			:Page.onRender();
			endif
			else (false)
			endif
			
			if (do redirect?) then (yes)
			:redirect process;
			else
			if (do forward?) then (yes)
			:Forward request;
			else (no)
			:Render page template;
			endif
			endif
			
			stop
			
			@enduml
				

49	**Como** usuario de la aplicación de gestión de datos, **quiero** procesar archivos de entrada, almacenar y verificar la información en una tabla hash, **para** generar reportes de búsqueda y de estado que aseguren la integridad y disponibilidad de los datos.	As a user of the data management application, I want to process input files, store and verify information in a hash table, to generate search and status reports that ensure data integrity and availability.	@startuml :Initialize hashtable; :Open input data file; repeat :Scan line for key/data; :Add string termination; :Insert into hashtable; repeat while(Is another entry in file?) :Close input data file; :Run Verification Report; :Write Hashtable to disk; :Restore Hashtable to memory; :Run Verification Report; :Open SearchReport file; :Open Search Query file; :Write header to SearchReport file; repeat :Scan line for query; :Search for key in hashtable; :Write result to SearchReport file; repeat while(Is another entry in file?) :Close Search Query file; :Close SearchReport file; :Open StatusReport file; :Generate StatusReport; :Close StatusReport file; @enduml	

50	**Como** integrante del equipo de desarrollo de software, **quiero** elaborar en paralelo el diseño de la arquitectura, el diseño de la interfaz de usuario y el plan de pruebas, **para** consolidar toda esta información en un plan de desarrollo integral que guíe la construcción y validación del sistema.	As a member of the software development team, I want to simultaneously work on the architecture design, user interface design, and test plan, so that all this information can be consolidated into a comprehensive development plan that guides the construction and validation of the system.	@startuml (*) --> ===B1=== --> "UI Design" --> ===B2=== ===B1=== --> "Architecture Design" --> ===B2=== (*) --> "Test Plan" --> (*) ===B2=== --> "Development Plan" --> (*) @enduml