Presentación de Poli - Collaboration del grupo A.D.A.M.

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06 de agosto del 2021

Artefactos

Project Plan [reviewed]

Revisar este artefacto en el repositorio de documentación del equipo.
Archivo: *DOC1_Especificacion_Funcional_V1.0.pdf*

ESPECIFICACIÓN FUNCIONAL DEL SISTEMA.

Introducción

Este documento es la especificación funcional para el sistema "**Poli - Collaboration**". El propósito de este documento es definir y presentar de forma ordenada las especificaciones que deberá cumplir el sistema. Se busca desarrollar un aplicativo web que sirva como un canal informativo y colaborativo para los para que los alumnos de la Facultad de Ingeniería en Sistemas de la Escuela Politécnica Nacional encuentren respuestas a temas de interés, eventos, entre otros, de forma rápida y ágil, además que permita realizar denuncias de acoso de forma confidencial y que sean gestionadas por moderadores.

Los moderadores del sistema, serán quienes estén a cargo de registrar las categorías, verificar que las preguntas realizadas en el sistema no violen las políticas y normativas de la Escuela Politécnica Nacional, y gestionar las denuncias de acoso realizadas en el sistema.

La especificación funcional estará dividida en:

1. Registro de usuario
2. Autenticación
3. Desbloqueo de usuario

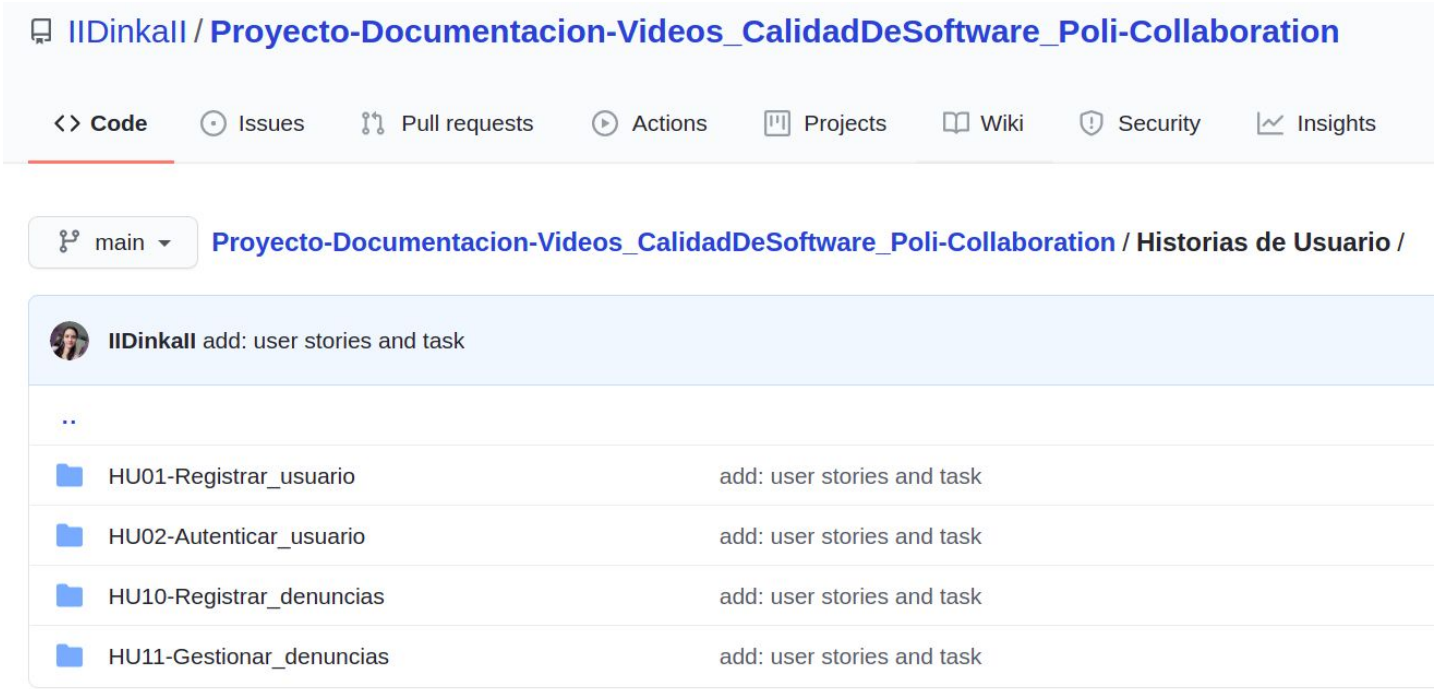
Especificaciones Funcionales

Código de la especificación	EF01
Nombre	Registro de usuario
Propósito	Crear un nuevo usuario
Descripción	Una vez ubicados en la página de inicio de sesión, deberá dirigirse al enlace que indica la creación de un nuevo usuario, llenar el formulario con sus respectivos campos y finalizar el proceso pulsando el botón indicado.
Entrada	Formulario de Registro.
Salida	Redirección a la página principal
Prioridad	Alta

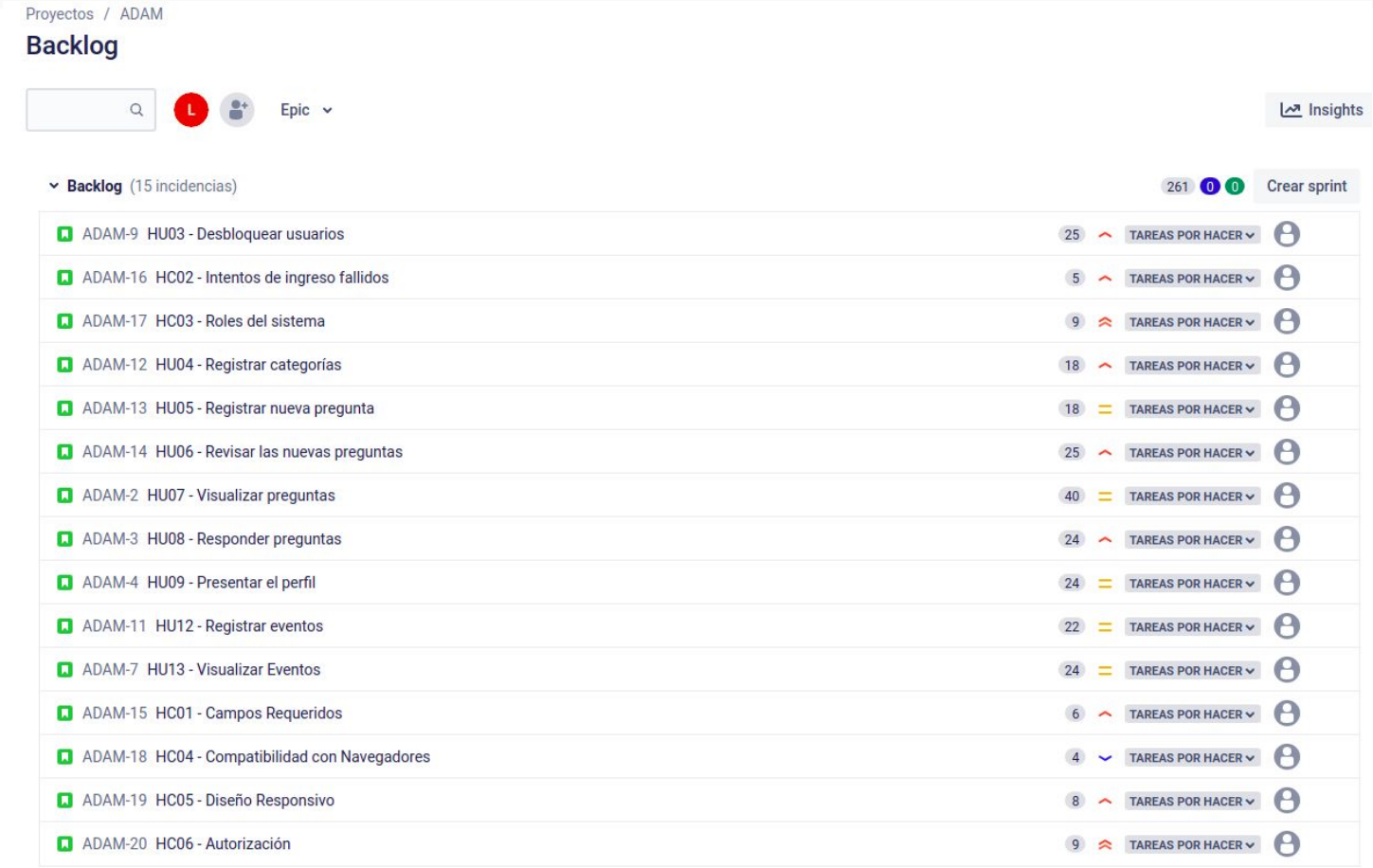
Código de la especificación	EF02
Nombre	Autenticación
Propósito	Iniciar sesión en la plataforma
Descripción	Una vez ubicados en la página de inicio de sesión, el usuario deberá ingresar sus credenciales en los campos y finalizar pulsando el botón de inicio de sesión.
Entrada	Formulario de inicio de sesión.
Salida	Redirección a la página principal
Prioridad	Alta

Software Configuration

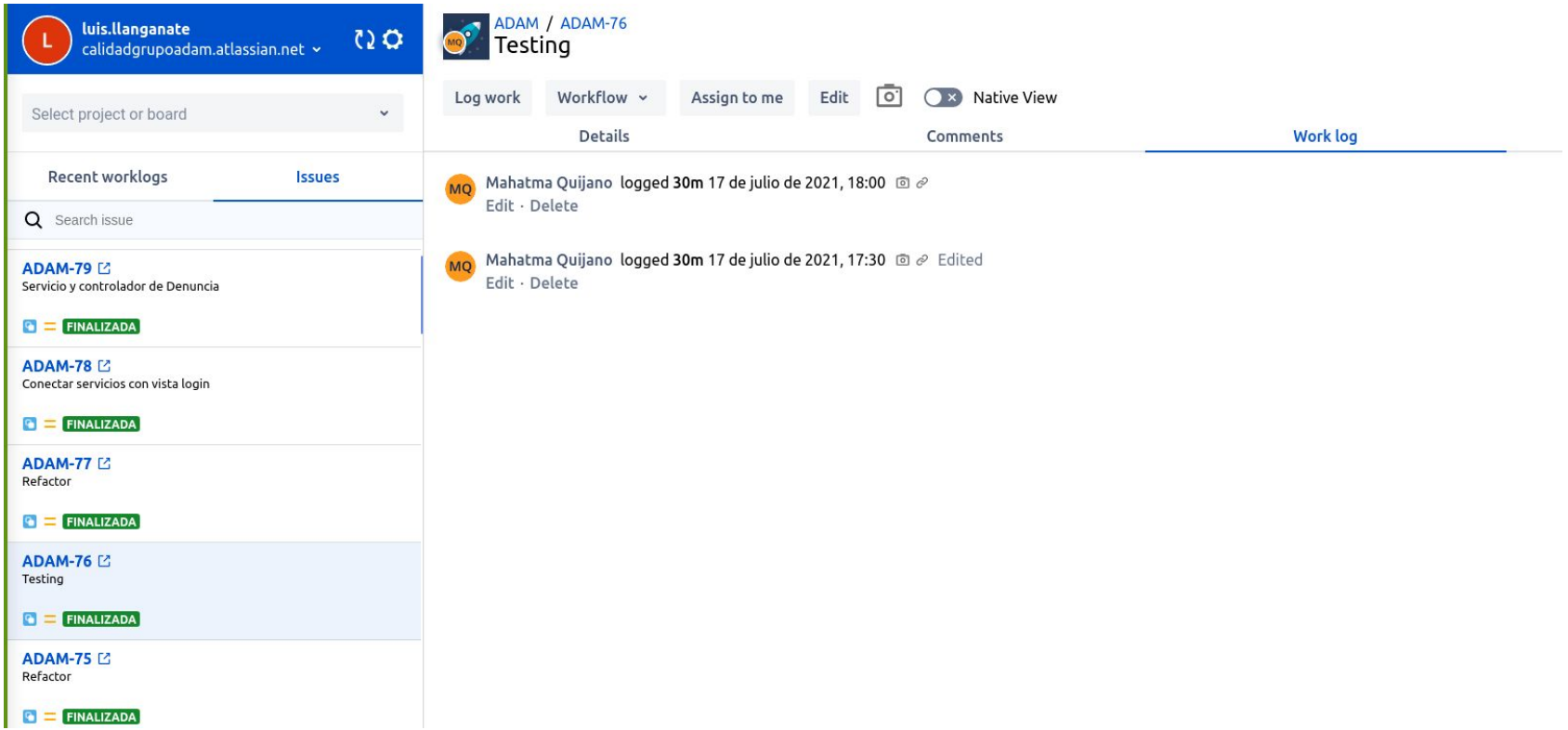
Enlace: *Historias de usuario en el repositorio del proyecto*



Requirements Specification [validated,baselined]

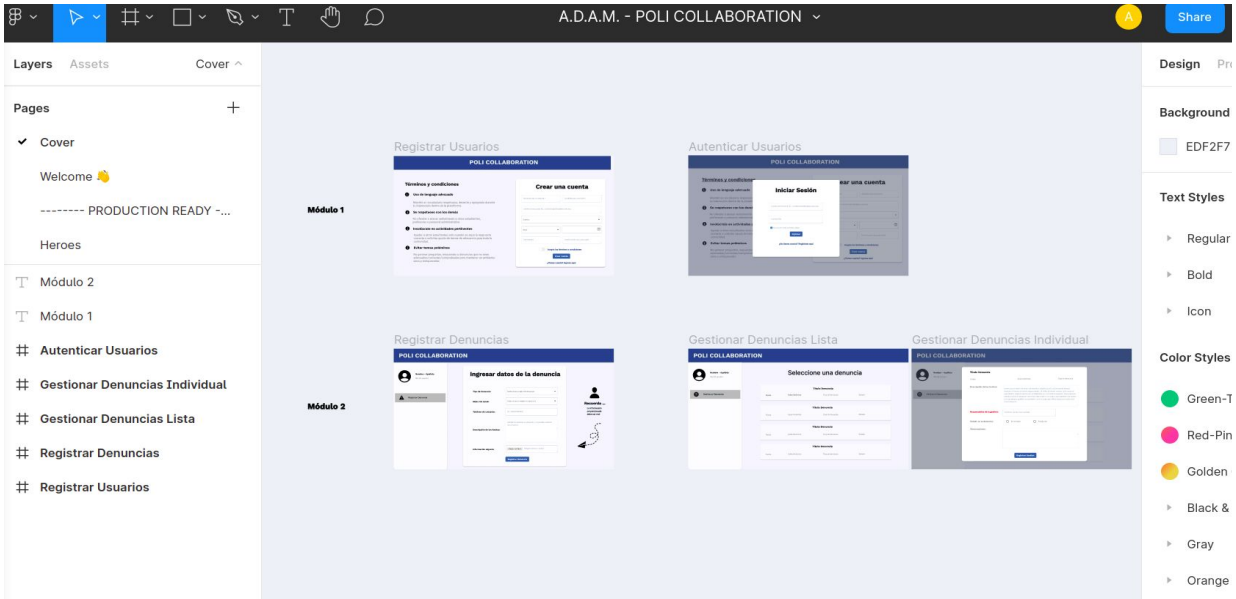


Software Configuration (General view)



Software Design

Prototipo



Software Design

Diagrama ERR

Proyecto-Codigo-Frontend_CalidadDeSoftware_Poli-Collaboration

El presente repositorio contiene elementos del desarrollo del proyecto "Poli Collaboration" de la materia de Calidad de Software del semestre 2021-A.

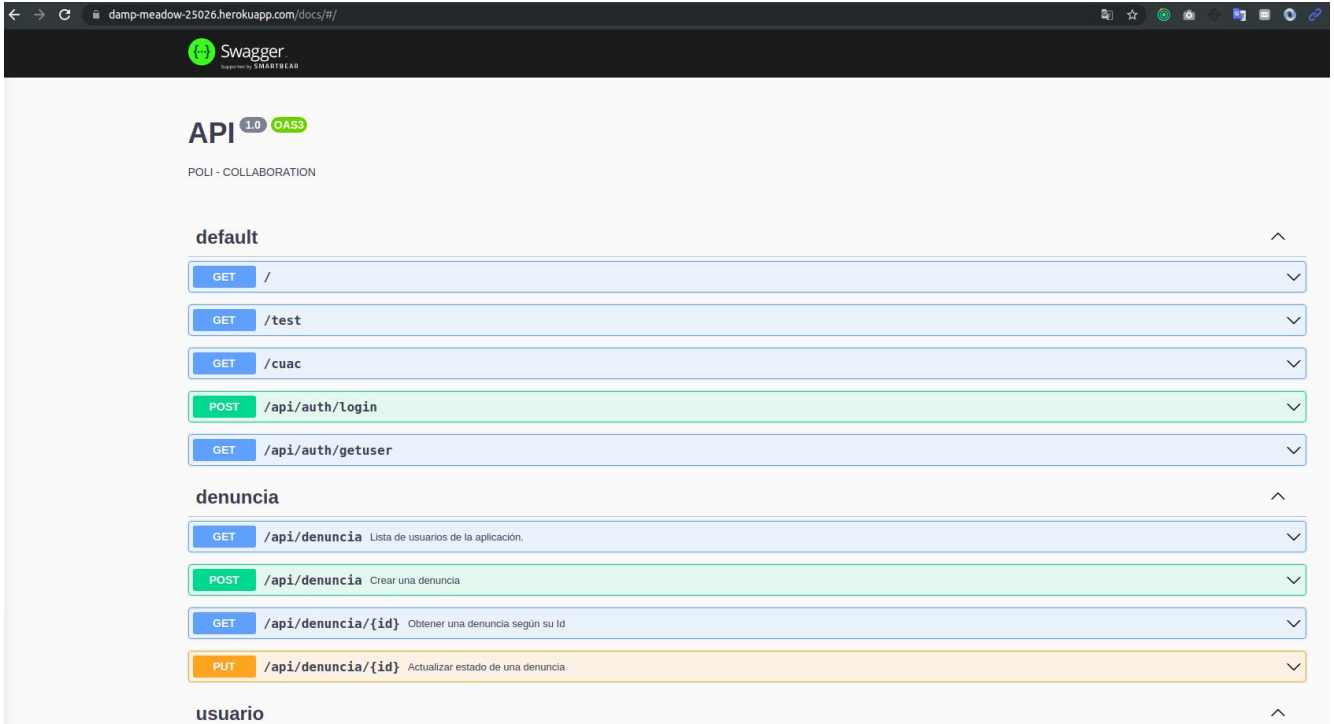
JavaScript Updated 4 days ago

Proyecto-Codigo-Backend_CalidadDeSoftware_Poli-Collaboration

El presente repositorio contiene elementos del desarrollo del proyecto "Poli Collaboration" de la materia de Calidad de Software del semestre 2021-A.

TypeScript 1 Updated 6 days ago

Software Construction



[Proyecto-Codigo-Backend_CalidadDeSoftware_Poli-Collaboration]

Pruebas de Integración - Software Integration and Tests

Pruebas de Integración

Secuencia	Datos de Prueba	Resultado Esperado	Resultado Obtenido	Autor Ejecución	Fecha
C1	Datos de usuario para registro	El sistema muestra mensaje de registro exitoso y se almacena en la base de datos	Se muestra mensaje de registro exitoso y se almacena en la base de datos	Mahatma Quijano	17/7/2021
C2	Credenciales válidas para un usuario	El sistema permite el acceso al sistema para su uso	Acceso exitoso al sistema	Mahatma Quijano	17/7/2021
C3	Credenciales no válidas de un usuario	El sistema bloquea el acceso al sistema	El usuario no puede acceder a sistema al no estar registrado	Mahatma Quijano	17/7/2021
C4	Datos para registro de denuncia	El sistema muestra mensaje de registro y almacena la denuncia en la base de datos	El id del Usuario que efectua la denuncia no se almacenó	Mahatma Quijano	24/7/2021
C5	Registro observación y gestión de denuncia	El moderador puede gestionar el estado y registrar la observación	Se gestiona el estado y observación y se alamcena la información	Mahatma Quijano	25/7/2021
C6	Lista de denuncias	El moderador observa las denuncias registradas, de ellas se debe observar el nombre de solo aquellas denuncias que son No Confidenciales	Se muestra el nombre del usuario en todas las denuncias	Mahatma Quijano	25/7/2021

Nota: Las pruebas se realizaron de forma manual

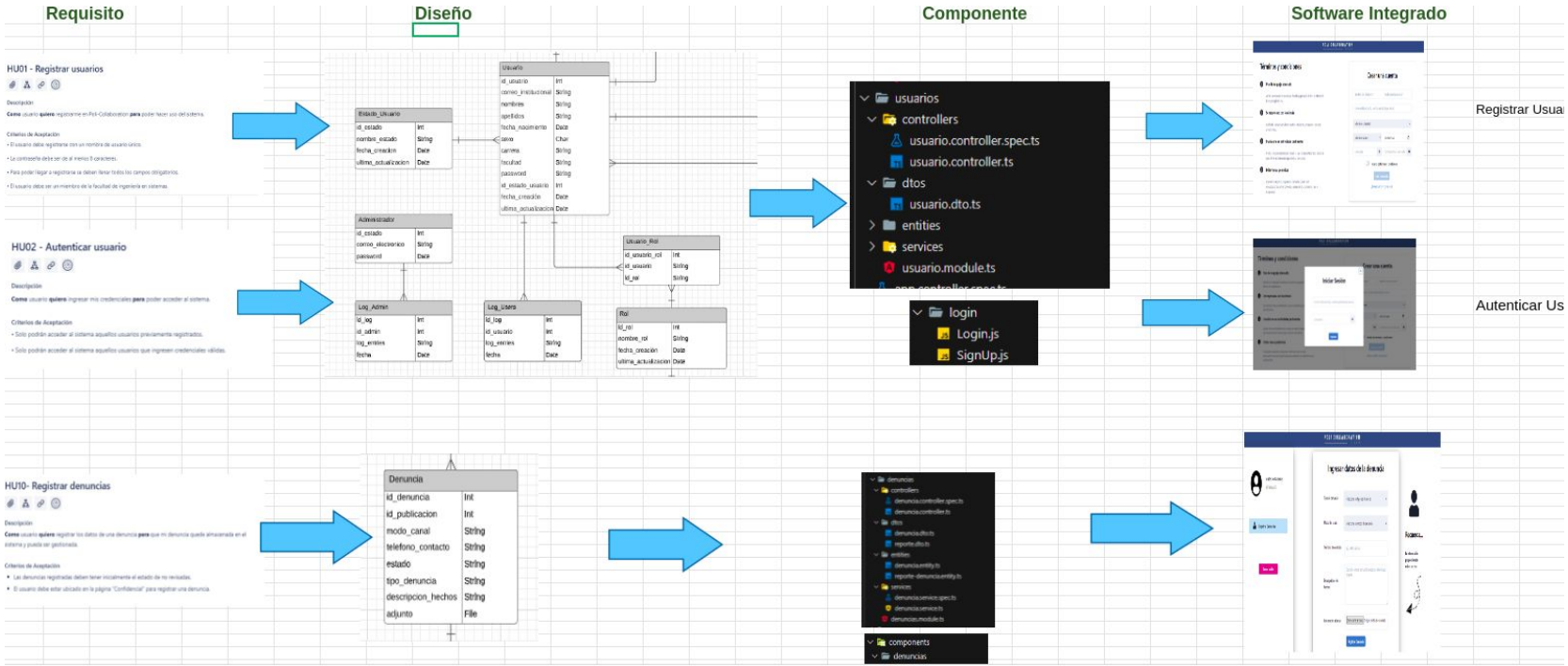
[Proyecto-Documentacion-Videos_CalidadDeSoftware_Poli-Collaboration/Documentacion/DOC5_Pruebas_V1.0.xlsx]

Pruebas de despliegue - Software Integration and Tests

Pruebas de Despliegue						
Secuencia	Datos de Prueba		Resultado Esperado	Resultado Obtenido	Autor Ejecución	Fecha
I1	Link para ver aplicación desplegada	https://poli-collaboration-one.vercel.app/signup	Se despliega aplicación	Aplicación Desplegada	Mahatma Quijano	17/7/2021
I2	Link para ver documentación de API	https://damp-meadow-25026.herokuapp.com/docs/	Se despliega API	API en funcionamiento	Mahatma Quijano	18/7/2021
El objetivo de estas pruebas es comprobar que el producto y sus servicios se hayan desplegado						

Proyecto-Documentacion-Videos_CalidadDeSoftware_Poli-Collaboration/Documentacion/DOC5_Pruebas_V1.0.xlsx

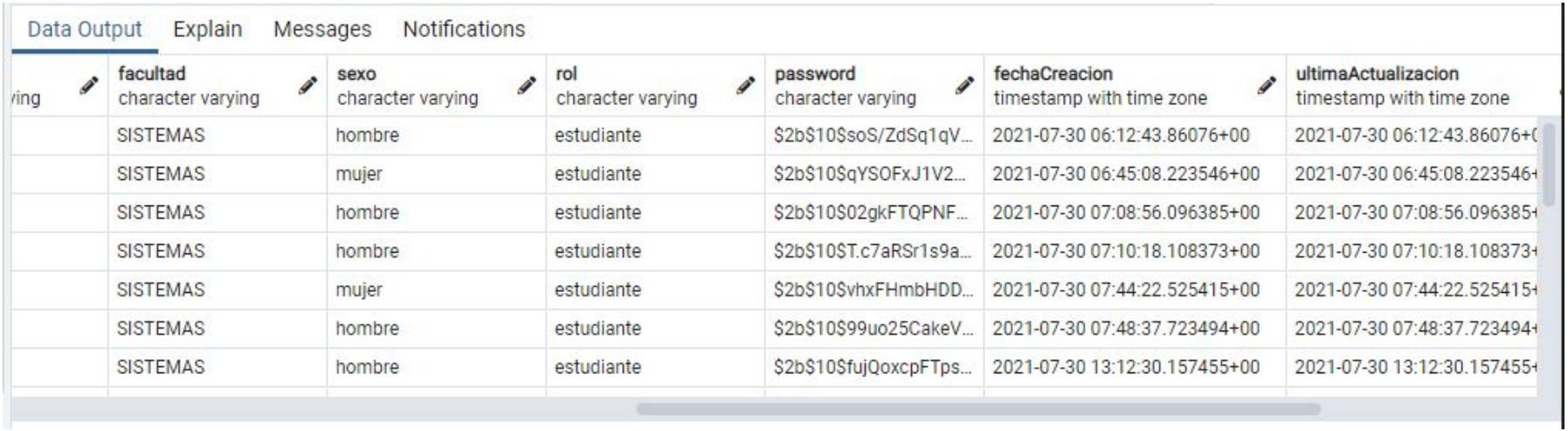
Traceability



[Proyecto-Documentacion-Videos_CalidadDeSoftware_Poli-Collaboration/Documentacion/DOC4_Trazabilidad_V1.0.xlsx]

Aspectos De Seguridad

Hash a passwords - SHA3



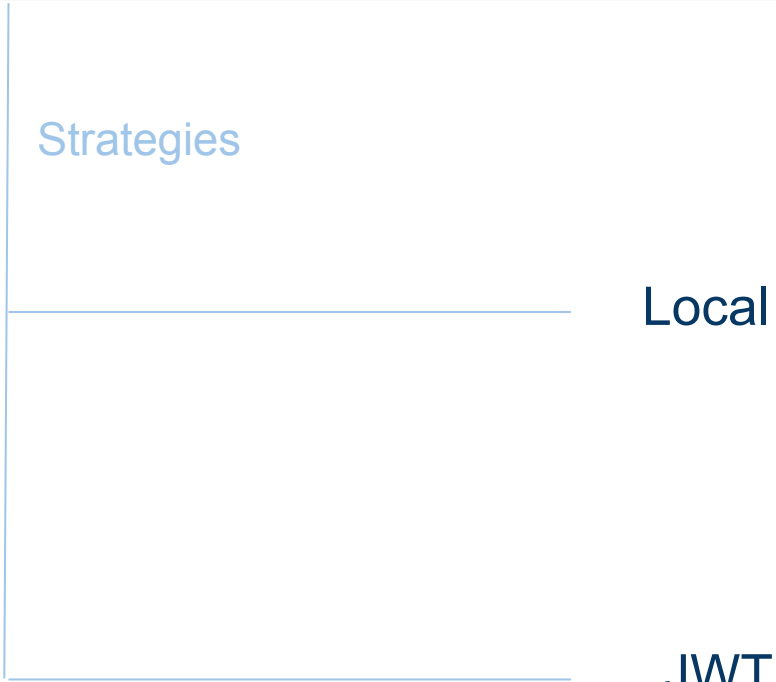
Data Output | Explain | Messages | Notifications

ving	facultad character varying	sexo character varying	rol character varying	password character varying	fechaCreacion timestamp with time zone	ultimaActualizacion timestamp with time zone
	SISTEMAS	hombre	estudiante	$2b$10$soS/ZdSq1qV...	2021-07-30 06:12:43.86076+00	2021-07-30 06:12:43.86076+0
	SISTEMAS	mujer	estudiante	$2b$10$qYSOFxJ1V2...	2021-07-30 06:45:08.223546+00	2021-07-30 06:45:08.223546+
	SISTEMAS	hombre	estudiante	$2b$10$02gkFTQPNF...	2021-07-30 07:08:56.096385+00	2021-07-30 07:08:56.096385+
	SISTEMAS	hombre	estudiante	$2b$10$T.c7aRSr1s9a...	2021-07-30 07:10:18.108373+00	2021-07-30 07:10:18.108373+
	SISTEMAS	mujer	estudiante	$2b$10$vhxFHmbHDD...	2021-07-30 07:44:22.525415+00	2021-07-30 07:44:22.525415+
	SISTEMAS	hombre	estudiante	$2b$10$99uo25CakeV...	2021-07-30 07:48:37.723494+00	2021-07-30 07:48:37.723494+
	SISTEMAS	hombre	estudiante	$2b$10$fujQoxcpFTps...	2021-07-30 13:12:30.157455+00	2021-07-30 13:12:30.157455+

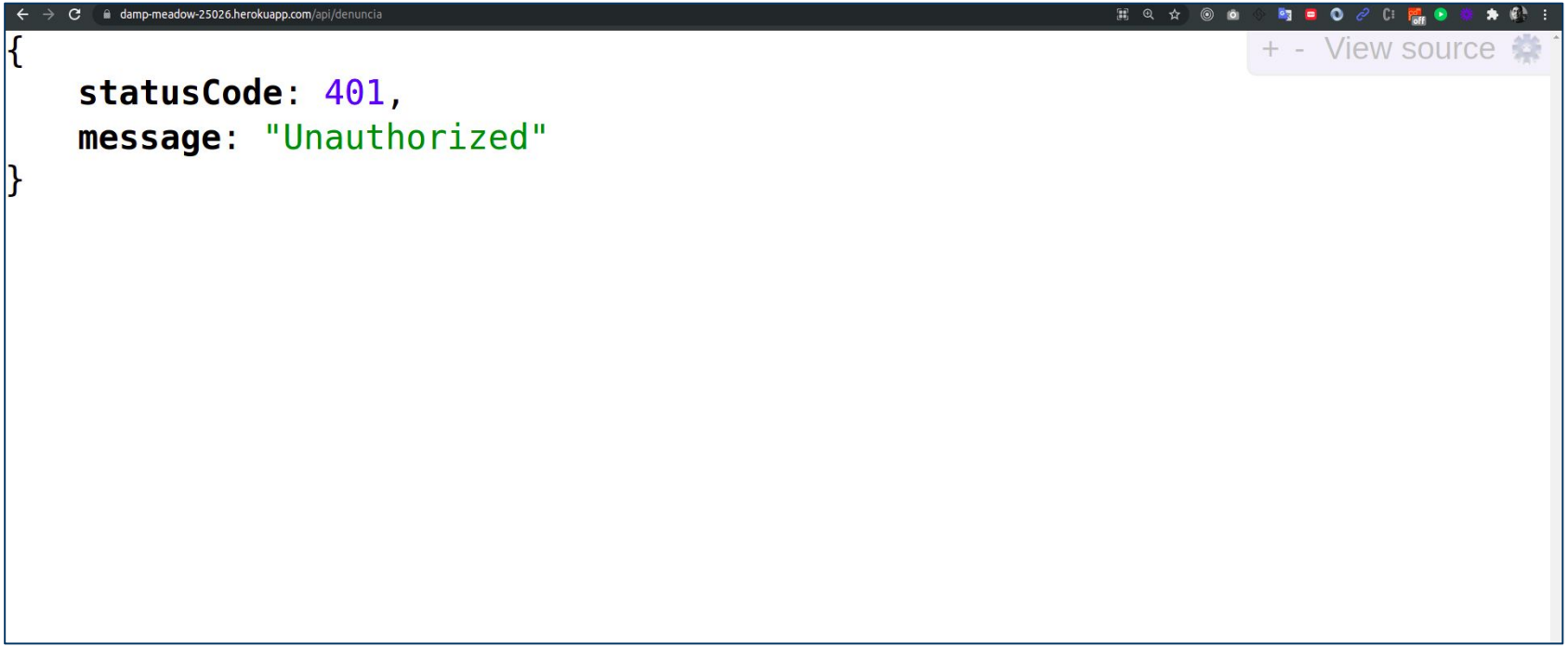
Guards

Son de alguna manera: middlewares que se ejecutan antes de cargar una ruta y determinan si se puede cargar dicha ruta

Guards



Guards (Local)

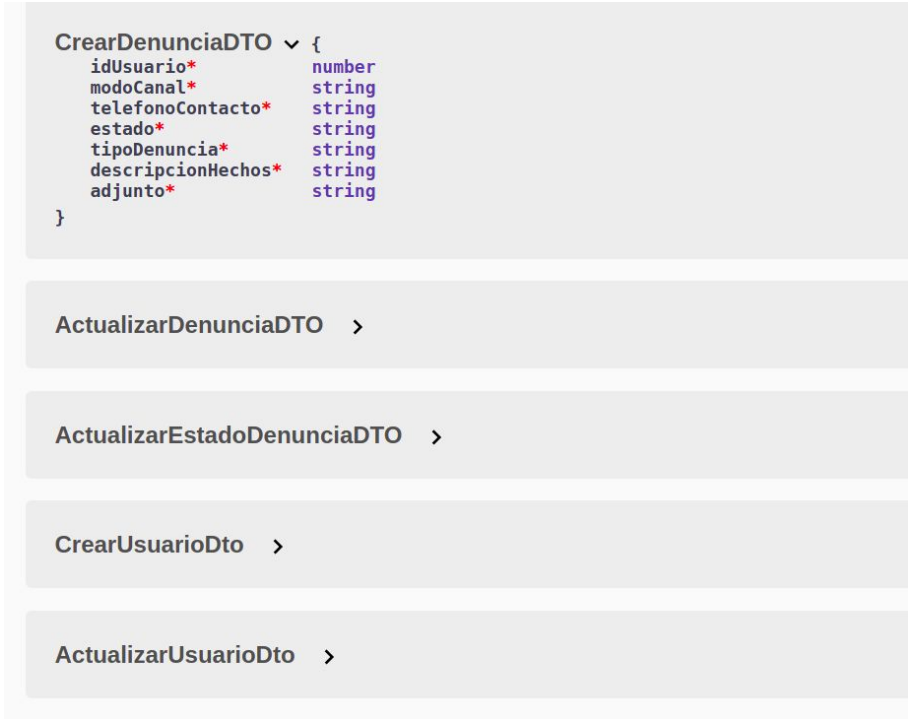


https://damp-meadow-25026.herokuapp.com/api/denuncia

Guards (JWT Strategy)

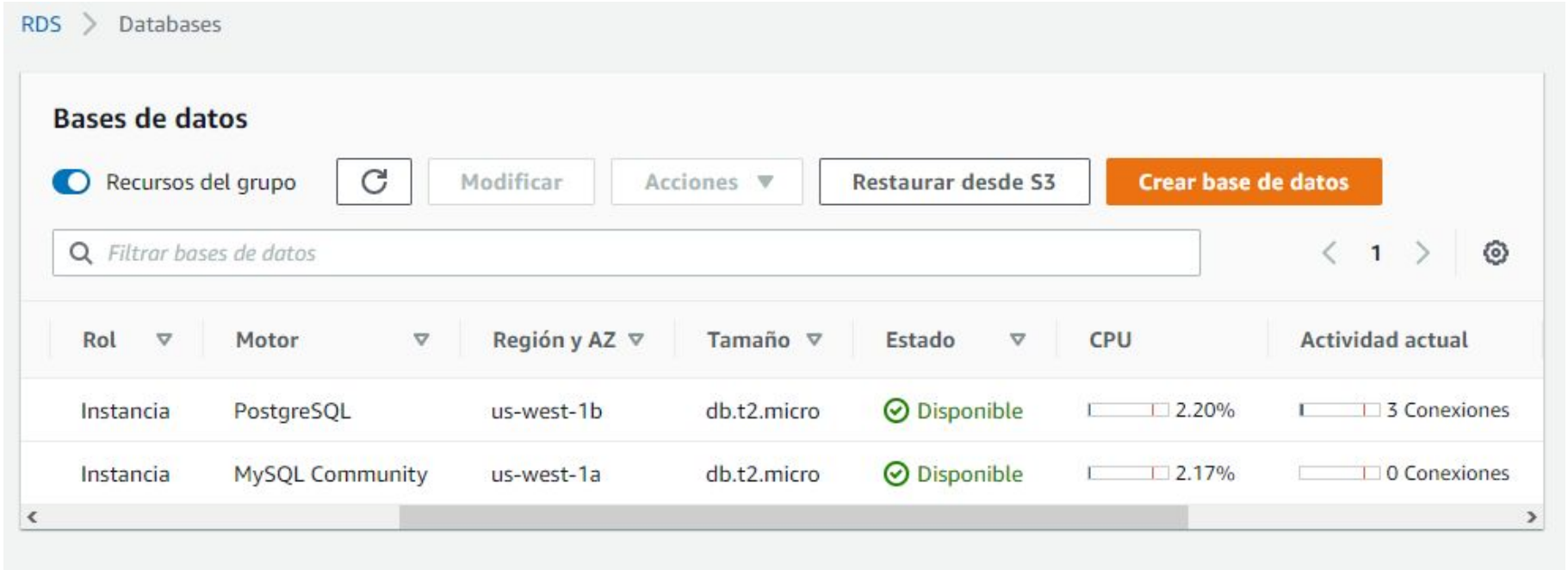
```
import { Inject, Injectable } from "@nestjs/common";
import { ConfigType } from "@nestjs/config";
import { PassportStrategy } from "@nestjs/passport";
import { Strategy, ExtractJwt } from "passport-jwt";
import config from "src/config";
import PayloadToken from "../models/token.model";

@Injectable()
export class JwtStrategy extends PassportStrategy(Strategy, 'jwt'){
    constructor(
        @Inject(config.KEY) configService: ConfigType<typeof config>
    ){
        super({
            jwtFromRequest: ExtractJwt.fromAuthHeaderAsBearerToken(),
            ignoreExpiration: false,
            secretOrKey: configService.jwtSecret,
        })
    }

    validate(payload: PayloadToken){
        return payload;
    }
}
```

DTO



https://damp-meadow-25026.herokuapp.com/docs/

AWS



https://damp-meadow-25026.herokuapp.com/docs/

Calidad del Producto y Demostración

Calidad del Producto (ISO 25010)

Characteristics	Sub-Characteristics	Definition
Functional Suitability	Functional Completeness	degree to which the set of functions covers all the specified tasks and user objectives.
	Functional Correctness	degree to which the functions provides the correct results with the needed degree of precision.
	Functional Appropriateness	degree to which the functions facilitate the accomplishment of specified tasks and objectives.
Performance Efficiency	Time-behavior	degree to which the response and processing times and throughput rates of a product or system, when performing its functions, meet requirements.
	Resource Utilization	degree to which the amounts and types of resources used by a product or system, when performing its functions, meet requirements.
	Capacity	degree to which the maximum limits of the product or system, parameter meet requirements.
Compatibility	Co-existence	degree to which a product can perform its required functions efficiently while sharing a common environment and resources with other products, without detrimental impact on any other product.
	Interoperability	degree to which two or more systems, products or components can exchange information and use the information that has been exchanged.
Usability	Appropriateness recognisability	degree to which users can recognize whether a product or system is appropriate for their needs.
	Learnability	degree to which a product or system enables the user to learn how to use it with effectiveness, efficiency in emergency situations.
	Operability	degree to which a product or system is easy to operate, control and appropriate to use.
	User error protection	degree to which a product or system protects users against making errors.
	User interface aesthetics	degree to which a user interface enables pleasing and satisfying interaction for the user.
	Accessibility	degree to which a product or system can be used by people with the widest range of characteristics and capabilities to achieve a specified goal in a specified context of use.
Reliability	Maturity	degree to which a system, product or component meets needs for reliability under normal operation.
	Availability	degree to which a product or system is operational and accessible when required for use.
	Fault tolerance	degree to which a system, product or component operates as intended despite the presence of hardware or software faults.
	Recoverability	degree to which, in the event of an interruption or a failure, a product or system can recover the data directly affected and re-establish the desired state of the system.
Security	Confidentiality	degree to which the prototype ensures that data are accessible only to those authorized to have access.
	Integrity	degree to which a system, product or component prevents unauthorized access to, or modification of, computer programs or data.
	Non-repudiation	degree to which actions or events can be proven to have taken place, so that the events or actions cannot be repudiated later.
	Accountability	degree to which the actions of an entity can be traced uniquely to the entity.
	Authenticity	degree to which the identity of a subject or resource can be proved to be the one claimed.
Maintainability	Modularity	degree to which a system or computer program is composed of discrete components such that a change to one component has minimal impact on other components.
	Reusability	degree to which an asset can be used in more than one system, or in building other assets.
	Analyzability	degree of effectiveness and efficiency with which it is possible to assess the impact on a product or system of an intended change to one or more of its parts, or to diagnose a product for deficiencies or causes of failures, or to identify parts to be modified.
	Modifiability	degree to which a product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality.
	Testability	degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met.
Portability	Adaptability	degree to which a product or system can effectively and efficiently be adapted for different or evolving hardware, software or other operational or usage environments.
	Installability	degree of effectiveness and efficiency in which a product or system can be successfully installed and/or uninstalled in a specified environment.
	Replaceability	degree to which a product can replace another specified software product for the same purpose in the same environment.

Characteristics	Sub-Characteristics	Definition
Effectiveness		accuracy and completeness with which users achieve specified goals
Efficiency		resources expended in relation to the accuracy and completeness with which users achieve goals
Satisfaction	Usefulness	degree to which a user is satisfied with their perceived achievement of pragmatic goals, including the resultsof use and the consequences of use
	Trust	degree to which a user or other stakeholder has confidence that a product or system will behave as intended
	Pleasure	degree to which a user obtains pleasure from fulfilling their personal needs
	Comfort	degree to which the user is satisfied with physical comfort
Freedom from Risk	Economic Risk Mitigation	degree to which a product or system mitigates the potential risk to financial status, efficient operation, commercial property, reputation or other resources in the intended contexts of use
	Health and Safety Risk Mitigation	degree to which a product or system mitigates the potential risk to people in the intended contexts of use
	Environmental Risk Mitigation	degree to which a product or system mitigates the potential risk to property or the environment in the intended contexts of use
Context Coverage	Context Completeness	degree to which a product or system can be used with effectiveness, efficiency, freedom from risk and satisfaction in all the specified contexts of use
	Flexibility	degree to which a product or system can be used with effectiveness, efficiency, freedom from risk and satisfaction in contexts beyond those initially specified in the requirements

Documento para la demostración


GRACIAS