**Vistas**

1. Artículos más visitados

CREATE VIEW MostVisitedArticles AS

SELECT a.title, u.username, a.visit\_count

FROM Articles a

JOIN Users u ON a.author\_id = u.id

ORDER BY a.visit\_count DESC

LIMIT 10;

2. Artículos pendientes de moderación

CREATE VIEW PendingModerationArticles AS

SELECT a.title, u.username

FROM Articles a

JOIN Users u ON a.author\_id = u.id

WHERE a.status = 'Pending'

ORDER BY a.submission\_date;

**Funciones**

1. Función para contar el número de artículos por autor

CREATE FUNCTION Count\_Articles\_By\_Author(author\_id INT)

RETURNS INT

BEGIN

DECLARE article\_count INT;

SELECT COUNT(\*) INTO article\_count

FROM Articles

WHERE author\_id = author\_id;

RETURN article\_count;

END;

2. Función para verificar la validez de una suscripción

CREATE FUNCTION Check\_Subscription(user\_id INT)

RETURNS BOOLEAN

BEGIN

DECLARE expiry\_date DATE;

SELECT subscription\_expiry INTO expiry\_date

FROM Users

WHERE id = user\_id;

RETURN expiry\_date >= CURRENT\_DATE;

END;

**Procedimiento Almacenado con Parámetros OUT**

Procedimiento para obtener el resumen diario de comentarios reportados (revisar)

CREATE PROCEDURE Daily\_Reported\_Comments(OUT total\_reported INT, OUT not\_moderated INT)

BEGIN

SELECT COUNT(\*) INTO total\_reported

FROM Comments

WHERE is\_reported = 1;

SELECT COUNT(\*) INTO not\_moderated

FROM Comments

WHERE is\_reported = 1 AND is\_moderated = 0;

END;

**Queries Dinámicos**

buscar artículos basados en ciertos criterios que el usuario puede definir, como la categoría y el autor (revisar)

SET @query = 'SELECT \* FROM Articles WHERE 1=1';

IF @category IS NOT NULL THEN

SET @query = CONCAT(@query, ' AND category = "', @category, '"');

END IF;

IF @author\_id IS NOT NULL THEN

SET @query = CONCAT(@query, ' AND author\_id = ', @author\_id);

END IF;

PREPARE stmt FROM @query;

EXECUTE stmt;

**Subqueries**

SELECT author\_id

FROM Articles

GROUP BY author\_id

HAVING COUNT(\*) > (

SELECT AVG(article\_count)

FROM (

SELECT COUNT(\*) as article\_count

FROM Articles

GROUP BY author\_id

) AS SubQuery

);