LSFitWellTracker
Pràctica PLSQL

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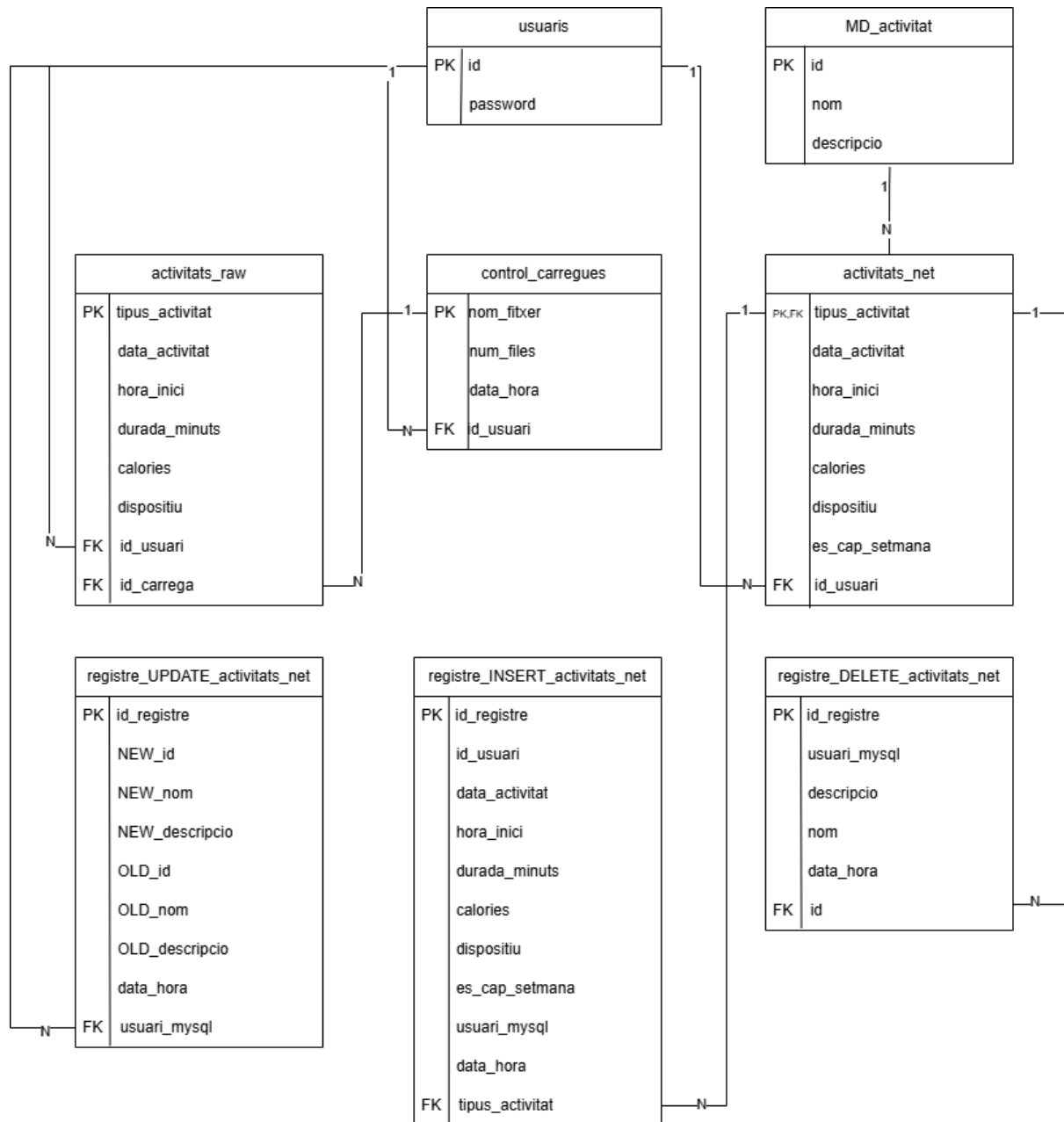
Joan Navío García

Curs 2024-25

DAM 1

Guillem Casacuberta

MODEL RELACIONAL

TESTS

```
Administrador: Windows Pow   ×    +    ˅

Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\Administrador\Downloads\Apps\lol\mysql\bin> .\mysql.exe -u lsfit_data_loader -pLoaderPass123! -D lsfitwell
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 231
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [lsfitwell]> SELECT * FROM activitats_raw LIMIT 1;
+----------+---------------+------------+---------------+-----------------+----------+------------+
| id_usuari | data_activitat | hora_inici | durada_minuts | tipus_activitat | calories | dispositiu |
+----------+---------------+------------+---------------+-----------------+----------+------------+
|        1 | 2025-04-01    | 07:15:00   |            30 | caminar         |      120 | smartwatch |
+----------+---------------+------------+---------------+-----------------+----------+------------+
1 row in set (0.000 sec)

MariaDB [lsfitwell]> SELECT * FROM activitats_net LIMIT 1;
ERROR 1142 (42000): SELECT command denied to user 'lsfit_data_loader'@'localhost' for table 'lsfitwell'.'activitats_net'
MariaDB [lsfitwell]>
```

DATA LOADER

-- FUNCIONA (té permisos)
SELECT * FROM activitats_raw LIMIT 1;

-- FALLA (no té permisos)
SELECT * FROM activitats_net LIMIT 1;

```
Administrador: Windows Pow   ×    +    ˅

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PS C:\Users\Administrador\Downloads\Apps\lol\mysql\bin> .\mysql.exe -u lsfit_user -pUserPass123! -D lsfitwell
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 232
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Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [lsfitwell]> SELECT * FROM activitats_net LIMIT 1;
+----------+---------------+------------+---------------+-----------------+----------+------------+----------------+
| id_usuari | data_activitat | hora_inici | durada_minuts | tipus_activitat | calories | dispositiu | es_cap_setmana |
+----------+---------------+------------+---------------+-----------------+----------+------------+----------------+
|        6 | 2025-04-23    | 06:15:00   |            90 | futbol          |      750 | smartwatch |              0 |
+----------+---------------+------------+---------------+-----------------+----------+------------+----------------+
1 row in set (0.001 sec)

MariaDB [lsfitwell]> UPDATE activitats_net SET calories = 200 WHERE id_usuari = 1;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [lsfitwell]> CREATE TABLE prueba_user (id INT);
ERROR 1142 (42000): CREATE command denied to user 'lsfit_user'@'localhost' for table 'lsfitwell'.'prueba_user'
MariaDB [lsfitwell]>
```

USER

-- FUNCIONA (té permisos)
SELECT * FROM activitats_net LIMIT 1;
UPDATE activitats_net SET calories = 200 WHERE id_usuari = 1;

-- FALLA (no té permisos per crear taules)
CREATE TABLE prueba_user (id INT);

BackUp

-- FUNCIONA (lectura permesa)
SELECT * FROM activitats_net LIMIT 1;

-- FALLA (no pot modificar)
INSERT INTO activitats_net (id_usuari) VALUES (999);

AUDITOR

-- FUNCIONA (lectura permesa)
SELECT * FROM activitats_net LIMIT 1;

-- FALLA (no pot modificar)
DELETE FROM activitats_net WHERE id_usuari = 1;

ADMIN

-- FUNCIONA (Crear i eliminar una taula de prova)
CREATE TABLE prueba_admin (id INT);
DROP TABLE prueba_admin;