



MASTERING RELATIONAL AND NON RELATIONAL DATABASE

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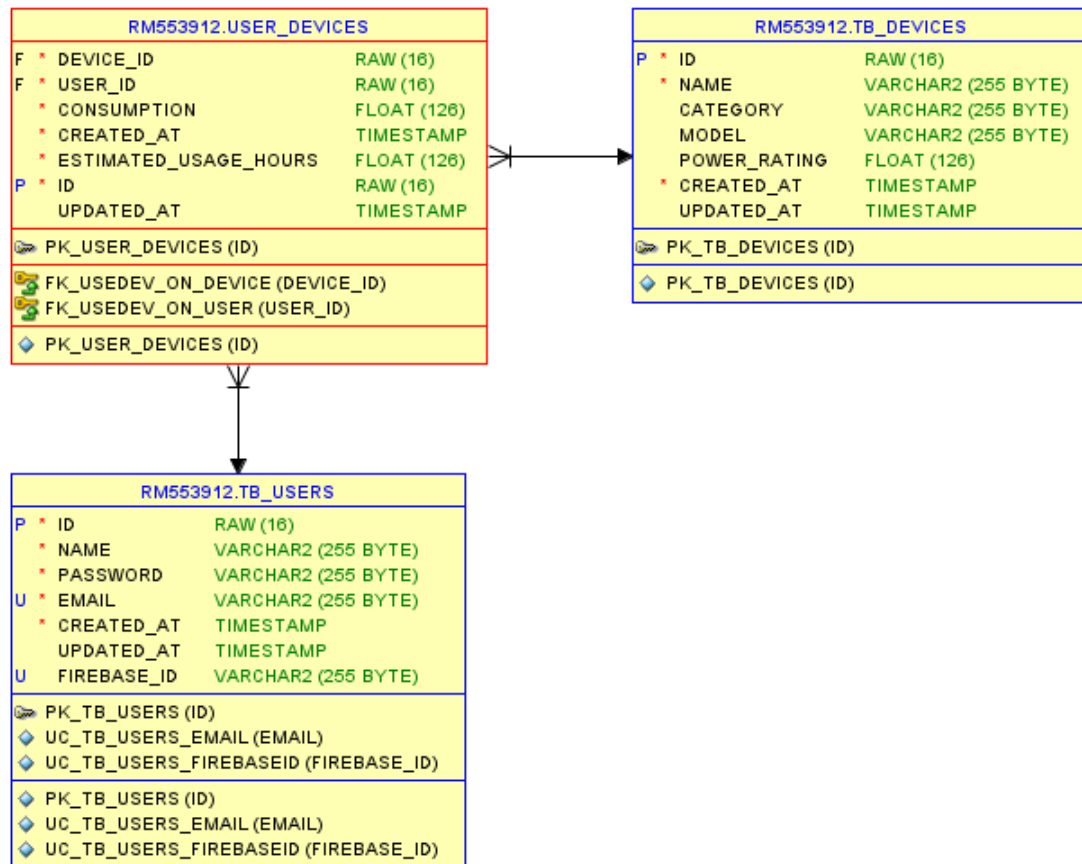
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Modelo Logico



Modelo Físico

```
CREATE TABLE tb_devices
(
    id                RAW(16)          NOT NULL,
    name              VARCHAR2(255) NOT NULL,
    category           VARCHAR2(255),
    model              VARCHAR2(255),
    power_rating       DOUBLE PRECISION,
    created_at         TIMESTAMP NOT NULL,
    updated_at         TIMESTAMP,
    CONSTRAINT pk_tb_devices PRIMARY KEY (id)
);

CREATE TABLE tb_users
(
    id                RAW(16)          NOT NULL,
    name              VARCHAR2(255) NOT NULL,
    password           VARCHAR2(255) NOT NULL,
    email             VARCHAR2(255) NOT NULL,
    firebase_id        VARCHAR2(255),
    created_at         TIMESTAMP NOT NULL,
    updated_at         TIMESTAMP,
    CONSTRAINT pk_tb_users PRIMARY KEY (id),
    CONSTRAINT uc_tb_users_email UNIQUE (email),
    CONSTRAINT uc_tb_users_firebaseid UNIQUE (firebase_id)
);

CREATE TABLE user_devices
(
    id                RAW(16)          NOT NULL,
    device_id         RAW(16)          NOT NULL,
    user_id           RAW(16)          NOT NULL,
    consumption        DOUBLE PRECISION NOT NULL,
    created_at         TIMESTAMP NOT NULL,
    estimated_usage_hours DOUBLE PRECISION NOT NULL,
    updated_at         TIMESTAMP,
    CONSTRAINT pk_user_devices PRIMARY KEY (id),
    CONSTRAINT fk_usedev_on_device FOREIGN KEY (device_id) REFERENCES
tb_devices (id),
    CONSTRAINT fk_usedev_on_user FOREIGN KEY (user_id) REFERENCES tb_users
(id)
);
```