



MASTERING RELATIONAL AND NON RELATIONAL DATABASE

RM552626 - Natan Junior Rodrigues Lopes

RM553873 - Pedro Lucca Medeiros Miranda

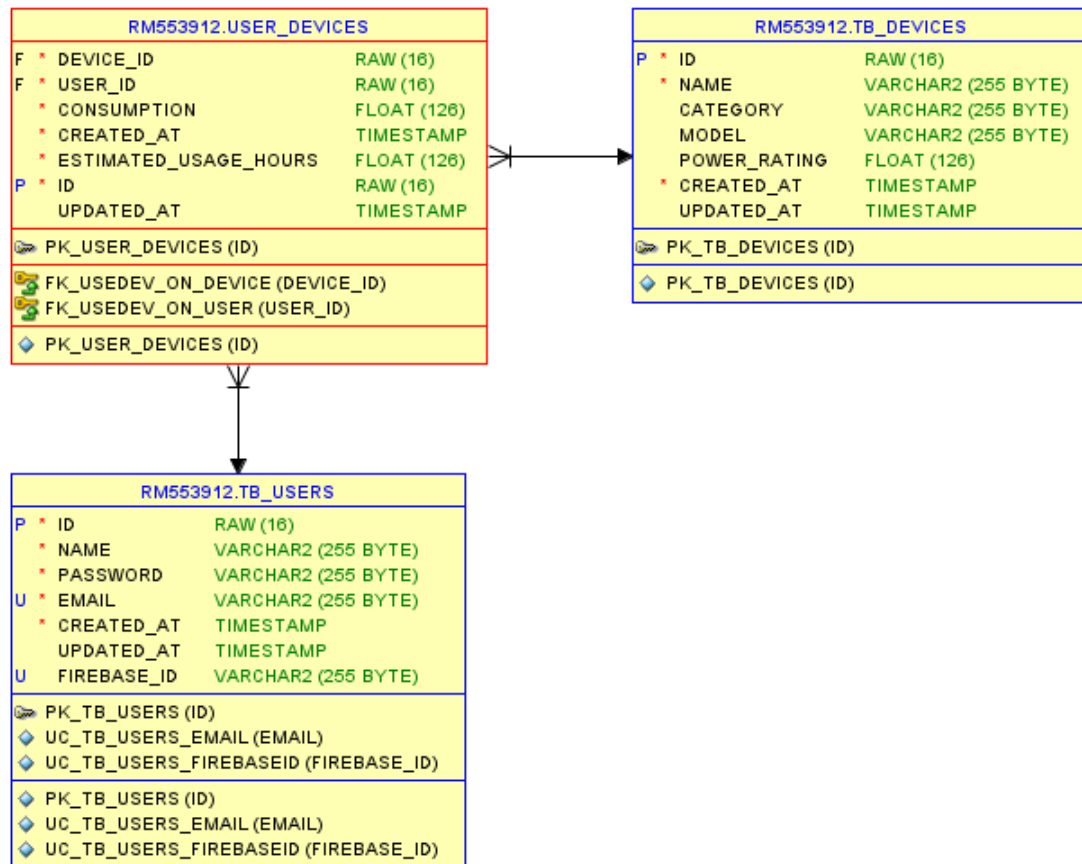
RM553912 - Pedro Moreira de Jesus

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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),
  CONSTRAINT uc_tb_devices_name UNIQUE (name),
);
```

```
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)
);
```

Link do vídeo

<https://youtu.be/3uPZFsnJoPs>

