

## Modelagem e Melhorias

O diagrama apresenta a seguinte estrutura:

- Tabela public.tb\_employee**: PK id uuid NOT NULL; created\_at timestamp without time zone; updated\_at timestamp without time zone; cpf character varying; email character varying; name character varying; password character varying; role character varying.
- Tabela public.tb\_products**: PK id bigint NOT NULL; unit\_price numeric; created\_at timestamp without time zone; updated\_at timestamp without time zone; category character varying; description character varying; name character varying; url\_image character varying; FK created\_by employee\_id uuid.
- Tabela public.tb\_order\_item**: PK id uuid NOT NULL; price\_at\_purchase numeric; quantity integer; FK product\_id bigint; FK order\_id uuid.
- Tabela public.flyway\_schema\_history**: PK installed\_rank integer NOT NULL; version character varying; description character varying NOT NULL; type character varying NOT NULL; script character varying NOT NULL; checksum integer; installed\_by character varying NOT NULL; installed\_on timestamp without time zone NOT NULL; execution\_time integer NOT NULL; success boolean NOT NULL.
- Tabela public.tb\_customer**: PK id uuid NOT NULL; created\_at timestamp without time zone; updated\_at timestamp without time zone; cpf character varying; email character varying; name character varying; role character varying.
- Tabela public.tb\_order**: PK id uuid NOT NULL; total\_price numeric; order\_date\_time timestamp without time zone; updated\_at timestamp without time zone; identifier character varying; order\_status character varying; FK customer\_id uuid; FK payment\_fk\_id uuid.
- Tabela public.tb\_payment**: PK id uuid NOT NULL; payment\_date\_time timestamp without time zone; updated\_at timestamp without time zone; payment\_method character varying; status character varying.
- Tabela public.tb\_customer\_list\_order\_entities**: FK customer\_entity\_id uuid NOT NULL; FK list\_order\_entities\_id uuid NOT NULL.

Restrições de Integridade:

- tb\_employee (1) — (N) tb\_products → cria
- tb\_customer (1) — (N) tb\_order → realiza
- tb\_order (1) — (N) tb\_order\_item → compõe
- tb\_products (1) — (N) tb\_order\_item → possui
- tb\_order (1) — (1) tb\_payment → é pago por
- tb\_customer (N) — (N) tb\_order através de tb\_customer\_list\_order\_entities

#### 4. - Modelo Entidade-Relacionamento

O Modelo Entidade-Relacionamento (MER) descreve a estrutura conceitual do banco de dados, representando entidades, seus atributos e os relacionamentos entre elas

