Database Structure Document

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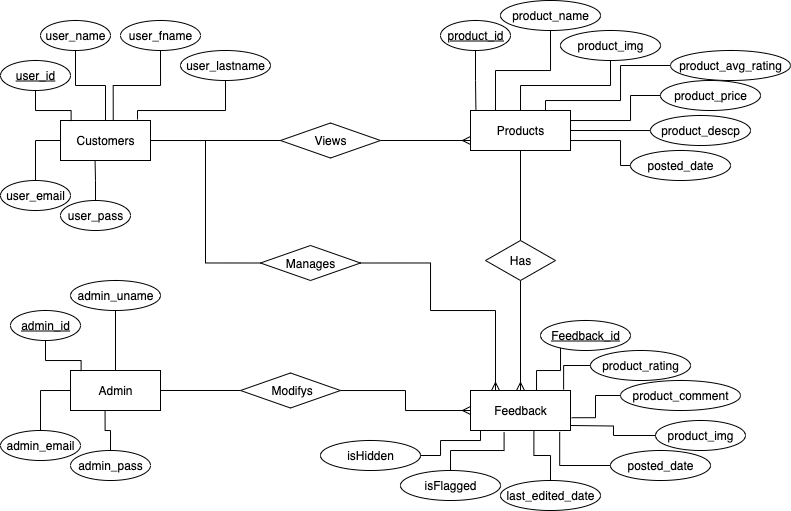
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# ER Diagram



# Normalization

## First Normal Form (1NF)

**Admin Table - adminTable:**

* admin\_id PRIMARY KEY NOT NULL INT,
* admin\_uname varchar(15),
* admin\_email varchar(100),
* admin\_pass varchar(10)

**Customer Table - userTable:**

* user\_id PRIMARY KEY NOT NULL INT,
* user\_name varchar(15),
* user\_fname varchar(20),
* user\_lname varchar(20),
* user\_email varchar(100),
* user\_pass varchar(10),
* feedback\_id INT,
* product\_id INT,
* FOREIGN KEY(product\_id) REFERENCES **productsTable**(product\_id)
* FOREIGN KEY(feedback\_id) REFERENCES **feedbacksTable**(feedback\_id)

**Products Table - productsTable:**

* products\_id PRIMARY KEY NOT NULL INT,
* product\_name varchar(250),
* product\_image varbinary(max),
* product\_avg\_rating double,
* product\_price double,
* product\_descp varchar(1000),
* posted\_date datetime,
* feedback\_id INT,
* product\_rating INT,
* product\_comment varchar(200),
* FOREIGN KEY(feedback\_id) REFERENCES **feedbacksTable**(feedback\_id)

**Feedback List - feedbacksTable:**

* feedback\_id PRIMARY KEY NOT NULL INT,
* user\_id INT,
* user\_name varchar(15),
* product\_id INT,
* product\_name varchar(250),
* product\_rating INT,
* product\_comment varchar(200),
* product\_img varbinary(max)
* posted\_date datetime,
* last\_edited date datetime,
* isFlagged boolean,
* isHidden boolean
* FOREIGN KEY(user\_id) REFERENCES **userTable**(user\_id)
* FOREIGN KEY(product\_id) REFERENCES **productsTable**(product\_id)

## Second Normal Form (2NF)

**Customer Table - userTable:**

* user\_id PRIMARY KEY NOT NULL INT,
* user\_name varchar(15),
* user\_fname varchar(20),
* user\_lname varchar(20),
* user\_email varchar(100),
* user\_pass varchar(10),

**Products Table - productsTable:**

* products\_id PRIMARY KEY NOT NULL INT,
* product\_name varchar(250),
* product\_image varbinary(max),
* product\_avg\_rating double,
* product\_price double,
* product\_descp varchar(1000),
* posted\_date datetime,

**Feedback List - feedbacksTable:**

* feedback\_id PRIMARY KEY NOT NULL INT,
* user\_id INT,
* product\_id INT,
* product\_rating INT,
* product\_comment varchar(200),
* product\_img varbinary(max)
* posted\_date datetime,
* last\_edited date datetime,
* isFlagged boolean,
* isHidden boolean
* FOREIGN KEY(user\_id) REFERENCES **userTable**(user\_id)
* FOREIGN KEY(product\_id) REFERENCES **productsTable**(product\_id)

# Table Structures

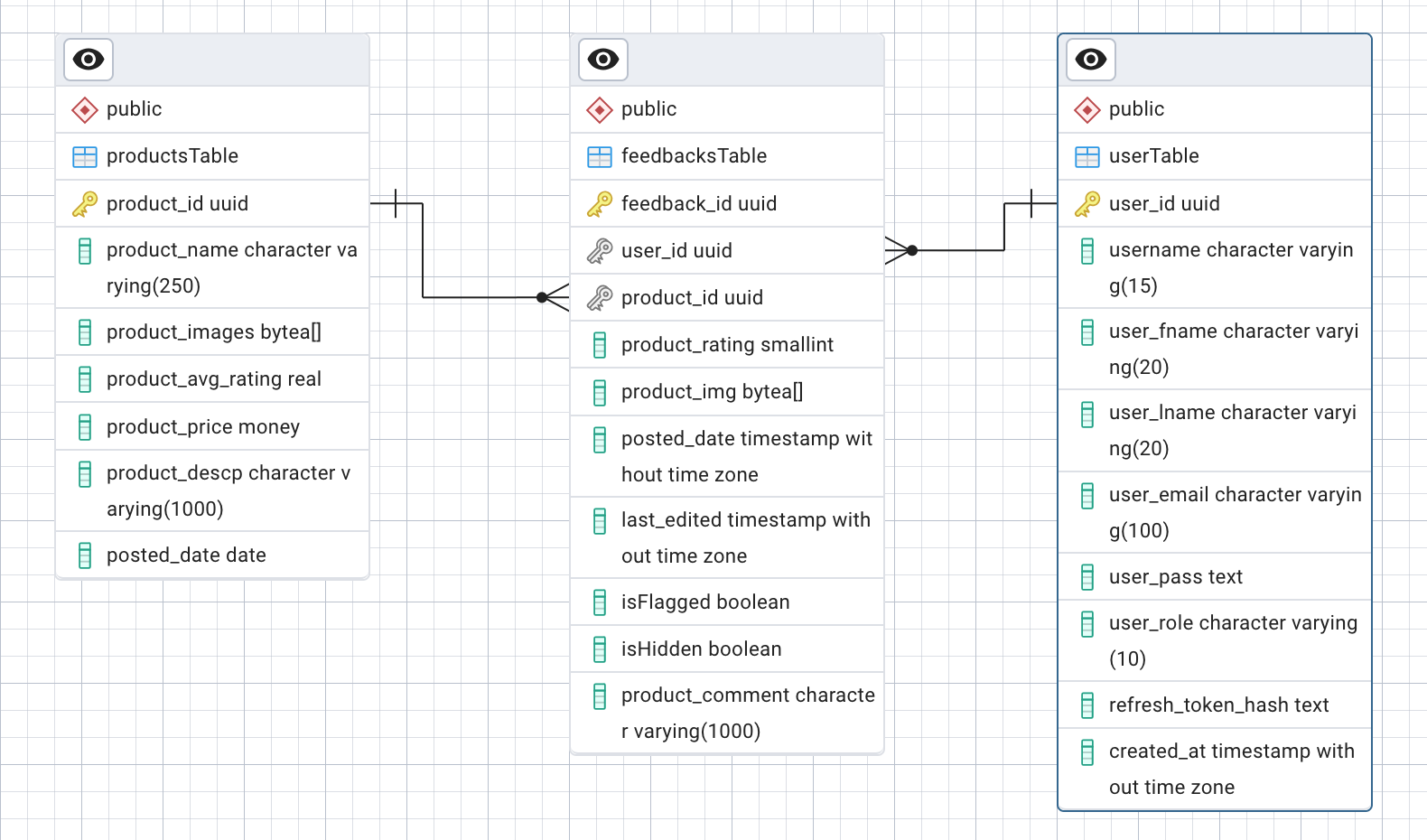


Figure 1.1 Entity Relational Diagram for Tables (PostgreSQL)