Rockbuster Stealth

Data Dictionary

Rockbuster Stealth Data Dictionary

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Rockbuster Stealth Data Dictionary

1. Rental (Fact Table)

Columns:

- rental_id: INTEGER, Primary Key, Unique identifier for each rental transaction.

- rental_date: TIMESTAMP, Date and time when the rental was initiated.

- inventory_id: INTEGER, Foreign Key linking to Inventory.

- customer_id: INTEGER, Foreign Key linking to Customer.

- return_date: TIMESTAMP, Date and time when the item was returned.

- staff_id: INTEGER, Foreign Key linking to Staff.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: Inventory, Customer, Staff

Linked from: Payment

2. Payment (Fact Table)

Columns:

- payment_id: INTEGER, Primary Key, Unique identifier for each payment transaction.

- customer_id: INTEGER, Foreign Key linking to Customer.

- staff_id: INTEGER, Foreign Key linking to Staff.

- rental_id: INTEGER, Foreign Key linking to Rental.

- amount: DECIMAL(5,2), Amount paid.

- payment_date: TIMESTAMP, Date and time when the payment was made.

Links to: Rental, Customer

Linked from: None

Rockbuster Stealth Data Dictionary

1. Store (Dimension Table)

Columns:

- store_id: INTEGER, Primary Key, Unique identifier for each store.

- manager_staff_id: INTEGER, Foreign Key linking to Staff.

- address_id: INTEGER, Foreign Key linking to Address.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: Staff, Address

Linked from: Customer, Inventory

2. Film_Actor (Dimension Table)

Columns:

- actor_id: INTEGER, Composite Primary Key, Foreign Key linking to Actor.

- film_id: INTEGER, Composite Primary Key, Foreign Key linking to Film.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: Film, Actor

Linked from: None

3. Inventory (Dimension Table)

Columns:

- inventory_id: INTEGER, Primary Key, Unique identifier for each inventory item.

- film_id: INTEGER, Foreign Key linking to Film.

- store_id: INTEGER, Foreign Key linking to Store.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: Film, Store

Linked from: Rental

4. Film_Category (Dimension Table)

Columns:

- film_id: INTEGER, Composite Primary Key, Foreign Key linking to Film.

- category_id: INTEGER, Composite Primary Key, Foreign Key linking to Category.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: None

Linked from: Film, Category

5. Customer (Dimension Table)

Columns:

- customer_id: INTEGER, Primary Key, Unique identifier for each customer.

- store_id: INTEGER, Foreign Key linking to Store.

- first_name: VARCHAR(45), Customer's first name.

- last_name: VARCHAR(45), Customer's last name.

- email: VARCHAR(50), Customer's email address.

- address_id: INTEGER, Foreign Key linking to Address.

- activebool: BOOLEAN, Indicates if the customer is active.

- create_date: DATE, Date when the customer record was created.

- last_update: TIMESTAMP, Timestamp of the last record update.

- active: INTEGER, Active status indicator.

Links to: Address, Store

Linked from: Rental, Payment

6. Film (Dimension Table)

Columns:

- film_id: INTEGER, Primary Key, Unique identifier for each film.

- title: VARCHAR(255), Title of the film.

- description: TEXT, Brief description of the film.

- release_year: YEAR, Year the film was released.

- language_id: INTEGER, Foreign Key linking to Language.

- rental_duration: INTEGER, Duration (in days) for which the film can be rented.

- rental_rate: DECIMAL(4,2), Rental price.

- length: INTEGER, Length of the film in minutes.

- replacement_cost: DECIMAL(5,2), Cost to replace the film if lost or damaged.

- rating: VARCHAR(10), Film rating.

- last_update: TIMESTAMP, Timestamp of the last record update.

- special_features: VARCHAR(255), Special features included with the film.

- fulltext: TSVECTOR, Full-text search data.

Links to: Inventory, Language

Linked from: Film_Actor, Film_Category

7. Address (Dimension Table)

Columns:

- address_id: INTEGER, Primary Key, Unique identifier for each address.

- address: VARCHAR(50), Primary address line.

- address2: VARCHAR(50), Secondary address line (optional).

- district: VARCHAR(20), District or region.

- city_id: INTEGER, Foreign Key linking to City.

- postal_code: VARCHAR(10), Postal code.

- phone: VARCHAR(20), Contact phone number.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: City

Linked from: Customer, Store, Staff

8. Language (Dimension Table)

Columns:

- language_id: INTEGER, Primary Key, Unique identifier for each language.

- name: CHARACTER(20), Name of the language.

- last_update: TIMESTAMP, Timestamp of the last record update.

Links to: None

Linked from: Film