



DATA DICTIONARY

ROCKBUSTER STEALTH ANALYSIS

BY: JADA MYRIE

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Serial	5
Unique identifier for rental	5
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Timestamp(6) without time zone	5
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F	5
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Integer	5
Unique identifier for inventory	5
F	5
Customer_id.....	5
Smallint.....	5
Unique identifier for customer	5
Return_date	5
Timestamp(6) without time zone	5
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Smallint	5
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Entity Relationship Diagram (ERD)

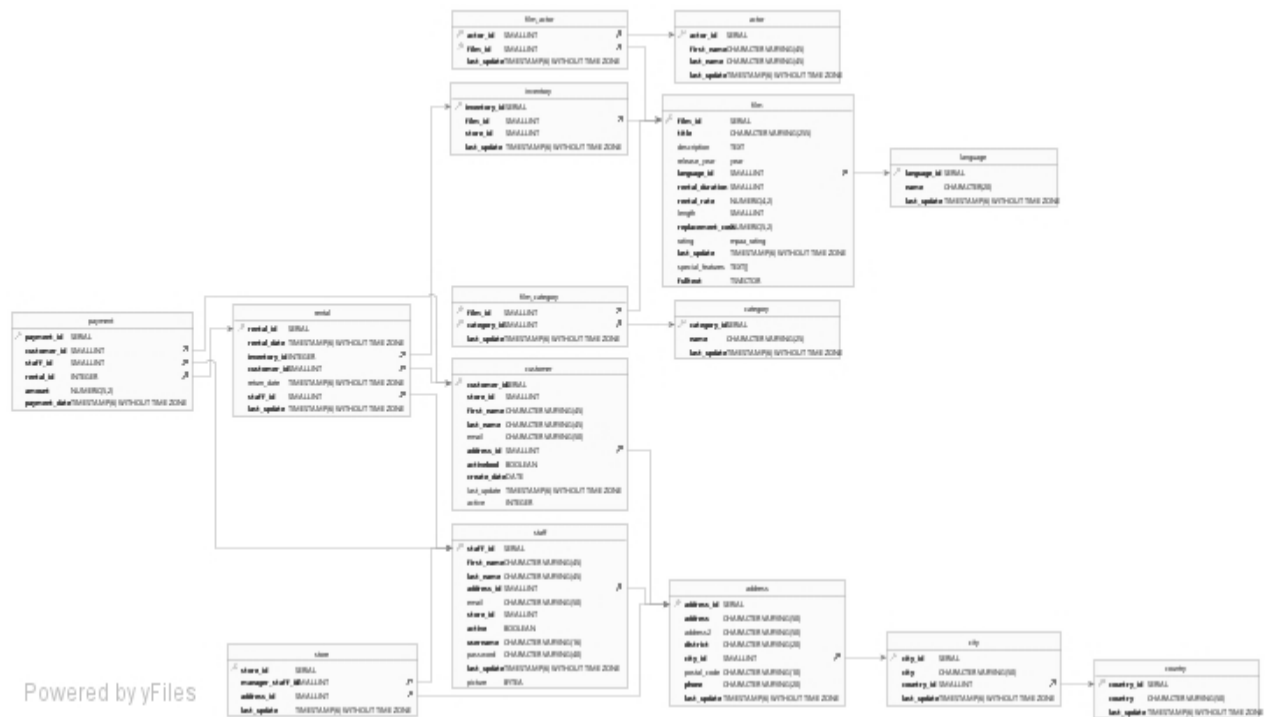


Figure 1 ERD

Data Tables

Keys

Primary Keys

Primary keys are those columns that contain a value that uniquely identifies a table.

In this Dictionary Primary Keys will be represented as **P**.

Foreign Keys

Foreign Keys are those columns that contain a value that is unique identifier (primary key) located in in another table.

In this Dictionary Foreign Keys will be represented as **F**.

Tables

Payment Table

Key	Table	Column	Data Type	Description
P	Payment	Payment_id	Serial	Unique identifier for payment
F		Customer_id	Smallint	Unique identifier for customer
F		Staff_id	Smallint	Unique identifier for staff
F		Rental_id	Integer	Unique identifier for rental
		Amount	Numeric(5,2)	Amount value
		Payment_date	Timestamp(6) without time zone	Payment date and time without time zone

Links To Tables :

Table Name	Linked Columns
Customer	Customer_id = Customer_id
Staff	Staff_id = Staff_id
Rental	Rental_id = Rental_id

Linked From Tables:

No Tables

Rental table

Key	Table	Column	Data Type	Description
P	Rental	Rental_id	Serial	Unique identifier for rental
		Rental_date	Timestamp(6) without time zone	Rental date and time without time zone
F		Inventory_id	Integer	Unique identifier for inventory
F		Customer_id	Smallint	Unique identifier for customer
		Return_date	Timestamp(6) without time zone	Unique date and time without time zone
F		Staff_id	Smallint	Unique identifier for staff
		Last_update	Timestamp(6) without time zone	Last update and time without time zone

Linked To Tables:

Tables	Linked Columns
Inventory	Inventory_id = Inventory_id
Customer	Customer_id = Customer_id
Staff	Staff_id = Staff_id

Linked From Tables:

Table Name	Linked Columns
Payment	Rental_id = Rental_id

Store Table

Keys	Table	Column	Data Type	Description
P	Store	Store_id	Serial	Unique identifier for store

F		Manager_staff_id	Smallint	Unique identifier for manager staff
F		Address_id	Smallint	Unique identifier for address
		Last_update	Timestamp(6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
Staff	Manager_staff = Staff_id
Address	Address_id = Address_id

Linked from Tables:

None

Film Actor Table

Keys	Table	Column	Data Type	Description
P	Film Actor	Actor_id	Smallint	Unique identifier for Actor
F		Film_id	Smallint	Unique identifier for film
		Last_update	Time stamp (6) without time zone	Last update and time without time zone

Linked to tables:

Table Name	Linked Columns
Actor	Actor_id = Actor_id
Film	Fim_id = Film_id

Linked from tables:

None

Inventory Table

Keys	Table	Column	Data Type	Description
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P	Inventory	Inventory_id	Serial	Unique identifier for inventory
F		Film_id	Smallint	Unique identifier for film
F		Store_id	Smallint	Unique identifier for store
		Last_update	Timestamp(6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Column
Film	Film_id = Film_id

Linked from Tables:

Table Name	Linked Column
Rental	Rental_id = Rental_id

Film Category Table

Keys	Table	Column	Data Type	Description
P	Film category	Film_id	Smallint	Unique identifier for film
F		Category_id	Smallint	Unique identifier for category
		Last_update	Timestamp(6) without timezone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
Film	Film_id = Film_id
Category	Category_id = Category_id

Linked from Tables:

None

Customer Table

Keys	Table	Column	Data Type	Description
P	Customer	Customer_id	Serial	Unique identifier for customer

F		Store_id	Smallint	Unique identifier for store
		First_name	Character varying(45)	First name of the customer
		Last_name	Character varying(45)	Last name of the customer
		Email	Character varying (50)	Email of the customer
F		Address_id	Smallint	Unique identifier for address
		Activebool	Boolean	Tell if customer is active
		Create_date	Date	Date when the customer was created in the system
		Last_update	Timestamp (6) without timezone	Last update and time without time zone
		Active	Integer	Number active

Linked to Tables:

Table Name	Linked Columns
Address	Address_id = Address_id

Linked from Tables:

Table Name	Linked Columns
Rental	Rental_id = Rental_id

Staff Table

Keys	Table	Column	Data Type	Description
P	Staff	Staff_id	Serial	Unique identifier for staff
		First_name	Character varying (45)	First name of the staff
		Last_name	Character varying (45)	Last name of the staff
F		Address_id	Smallint	Unique identifier for the address
		Email	Character varying (50)	Email of the staff

F		Store_id	Smallint	Unique identifier for
		Active	Boolean	Tells if staff is active
		Username	Character varying (16)	Username of the staff
		Password	Character varying (40)	Password of the staff
		Last_update	Timestamp(6) without timezone	Last update and time without time zone
		Picture	Bytea	Picture of the staff

Linked to Tables:

Table Name	Linked Columns
Address	Address_id =Address_id

Linked from tables:

Table Name	Linked Columns
Rental	Rental_id = Rental_id

Actor Table

Keys	Table	Column	Data Type	Description
P	Actor	Actor_id	Serial	Unique identifier for
		First_name	Character varying (45)	First name of the actor
		Last_name	Character varying (45)	Last name of the actor
		Last_update	Timestamp (6) without timezone	Last update and time without time zone

Linked to Tables:

None

Linked From Tables:

Table Name	Linked Column
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Film_actor	Actor_id = Actor_id
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Film Table

Keys	Table	Column	Data Type	Description
P	Film	Film_id	Serial	Unique identifier for film
		Title	Character Varying (255)	The title of the film
		Description	Text	Description of the film
		Release_year	Year	The release year of the film
F		Language_id	Smallint	Unique identifier for language
		Rental_duration	Smallint	The rental duration of the film
		Rental_rate	Numeric (4,2)	The rental rate of the film
		Length	Smallint	The length of the film
		Replacement_cost	Numeric (5,2)	The replacement cost of the film
		Rating	Mpaa_rating	The rating of the film
		Last_update	Timestamp (6) without Time Zone	Last update and time without time zone
		Special_features	Text[]	Special features of the film
		Fulltext	Tsvector	Fulltext index

Linked to Tables:

Table Name	Linked Columns
Language	Language_id = language_id

Linked from Tables:

Table Name	Linked Columns
Film_actor	Film_actor = Film_actor

Film_category	Film_category = Film_category
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Category Table

Keys	Table	Column	Data Type	Description
P	category	Category_id	Serial	Unique identifier for category
		Name	Character varying (25)	The name of the category
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

None

Linked from Tables:

Table Name	Linked Column
Film_category	Category_id = Category_id

Language Table

Keys	Table	Column	Data Type	Description
P	Language	Language_id	Serial	Unique identifier for
		Name	Character (20)	The name of the language
		Last_update	Timestamp (6) without timezone	Last update and time without time zone

Linked to Tables:

None

Linked from Tables:

Table Name	Linked Columns
Film	Language_id = Language_id

Address Table

Keys	Table	Column	Data Type	Description
P	Address	Address_id	Serial	Unique identifier for address
		Address	Character varying (50)	First line of an address
		Address 2	Character varying 20	Second line of an address
		District	Character varying 20	The region of an address
F		City_id	Smallint	The city of an address
		Postal_code	Character varying (10)	The postal code for an address
		Phone	Character varying (20)	The phone number for an address
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

Table Name	Linked Columns
City	City_id = City_id

Linked from Tables:

Table Name	Linked Column
City	City_id = City_id
Customer	Address_id = Address_id

City Table

Keys	Table	Column	Data Type	Description
P	City	City_id	Serial	Unique identifier for city
		City	Character varying (50)	Name of the city
F		Country_id	Smallint	Unique identifier for country

		Last_update	Timestamp (6) without time zone	Last update and time without time zone
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Linked to Tables:

Table Name	Linked Columns
Country	Country_id = Country_id

Linked from Tables:

Table Name	Linked Columns
Address	Address_id = Address_id

Country Table

Keys	Table	Column	Data Type	Description
P	Country	Country_id	Serial	Unique identifier for country
		Country	Character Varying (50)	Name of country
		Last_update	Timestamp (6) without time zone	Last update and time without time zone

Linked to Tables:

None

Linked from Tables:

Table Name	Linked Columns
City	City_id = City_id