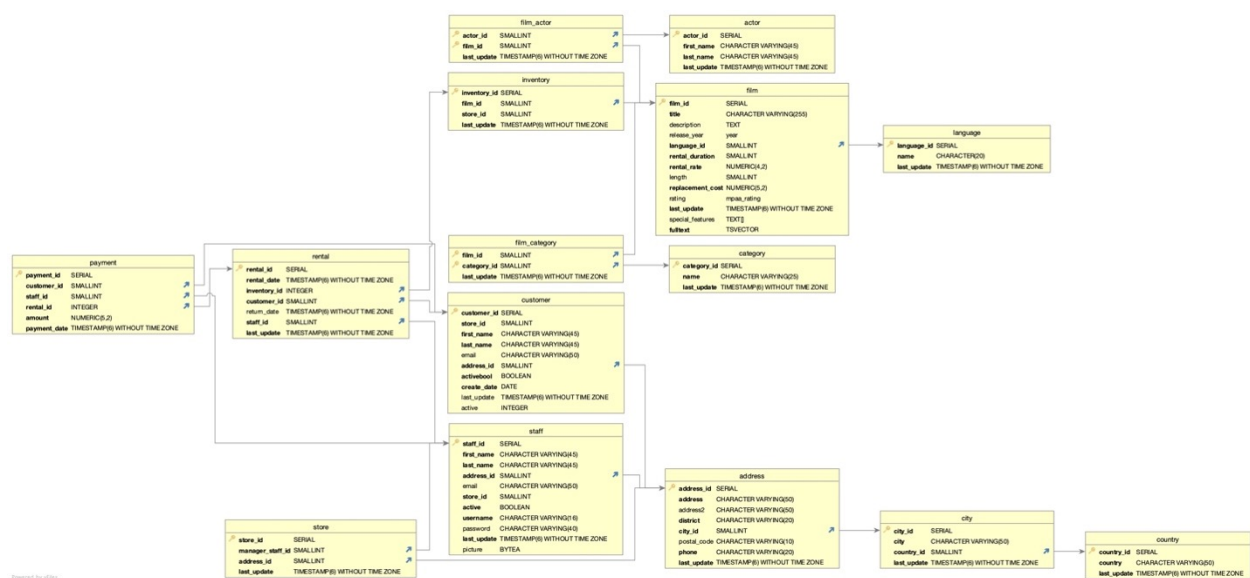# Rock Buster

Data Dictionary

Ethan Hennes

Rock Buster

Legend

Primary Key

Primary Key Relation

Foreign Key Relation

Unique Key

1.1.1: Tables

1:1:2 Table: Payment

	Name	Data	Descriptions/Attributes
🔑	Payment_id	Serial	Primary key Code number of payment
	Customer_id	Smallint	Code of customer
	Staff_id	Smallint	Code of staff who made rental
	Rental_id	Integer	Code of rental transaction
	Amount	Numeric(52)	Cost of rental
	Payment_date	Timestamp(6) Without Timw zone	When transaction occurred

Links To

	Table	Join	Title/Name/Decsriptiom
	Customer	Payment.customer_id=customer.customer_id	FK_payment_customer_customer_id/key restraint refferncing payment.customer_id
	Staff	Payment.staff_id=staff.staff_id	FK_payment_staff_staff_id/foreign key restraint refferncing payment.staff_id
	Rental	Payment.rental_id=rantal.rental_id	FK_payment_rental_rental_id/foreign key restraint refferncing payment.rental_id

Unique Keys

	Coulmns	Name/Descirption
	Payment_id	PK_payment_payment_id

1.1.3 Table: Rental

	Columns	Data Type	Description
	rental_id	serial	Code of rental
	Rental_date	Timestamp(6) without time zone	When rental happened
	Inventory_id	integer	Code of type pf inventory
	Customer_id	smallint	Code of customer
	Return_date	timestamp(6) without time zone	When rental is due
	Staff_id	smallint	Code of staff who made rental

Links To

	Table	Join	Title/Name/Description
	Inventory	Rental.inventory_id=inventory.inventory _id	FK_rental_inventory_inventory_id/key restraint referncing rental.inventory_id
	Customer	rental.customer_id=customer.customer_id	FK_rental_customer_customer_id/key restraint referncing rental.customer_id
	Staff	Rental.staff_id=staff.staff_id	FK_rental_staff_staff_id/foreign key restraint referncing rental.staff_id

Linked From

	Table	Join	Title/Name/Description
	Payment	Rental.rental_id=payment.rental_id	FK_rental_patyment_payment_id/ key restraint referncing rental.rental_id

Unique Keys

	Coulmns	Name/Description
	Rental_id	PK_rental_rental_id Primary key (clustered) constraint

3.1.4 Table Film_actor

	Columns	Data Type	Description
	Actor_id	smallint	Numerical id for the actor
	Film_id	Smallint	Numerical id for each movie
	last_update	Timestamp(6) without time zone	When entry was last updated

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Links to

	Table	Join	Title/Name/Description
🔗	Actor	Film_actor.actor_id=actor.actor_id	FK_film_actor_actor_actor_id/ foreighn key restraint referencing film_actor.actor_id
🔗	Film	Film_actor.film_id=film.film_id	FK_film_actor_film_film_id /key restraint refferncing film_actor.film_id

Unique Keys

	Coulmns	Name/Description
🔑	Actor_id	PK_film_actor_actor_id Primary key (clustered) constraint
🔑	Film_id	PK_film_actor_film_id Primary key (clustered) constraint

1.1.5 Table: Actor

	Columns	Data Type	Description
🔑	actor_id	serial	Numerical number for each actor
	first_name	Character varying (45)	Forename of actor
	last_name	Character varying (45)	Surname of actor
	Last_update	Timestamp(6) without time zone	When entry was last updated

Linked From

	Table	Join	Title/Name/Description
↘	Film_actor	Actor.actor_id=film_actor.actor_id	FK_actor_film_actor_actor_id / foreighn key restraint referencing actor.actor_id

Unique Keys

	Coulmns	Name/Description
🔑	Actor_id	PK_actor_actor_id Primary key (clustered) constraint

1.1.6 Table: Inventory

	Columns	Data Type	Description
🔑	Inventory_id	serial	Numerical item number
	Film_id	smallint	Numerical id for each movie
	Store_id	smallint	Numerical id for each store
	Last_update	Timestamp(6) without time zone	When entry was last updated

Links To

	Table	Join	Title/Name/Description
⤴	Film	Inventory.inventory_id=film.inventory_id	FK_inventory_film_inventory_id/key restraint referncing inventory.inventory_id

Linked from

	Table	Join	Title/Name/Description
⤢	Rental	Inventory.inventory_id=rental.inventroy_id	FK_inventory_rental_inventory_id/key restraint referncing inventory.inventory_id

Unique Keys

	Coulmns	Name/Description
🔑	Inventory_id	PK_inventory_inventory_id Primary key (clustered) constraint

1.1.7 Table Film

Film

	Columns	Data Type	Description
🔑	film_id	serial	Numerical id for each movie
	title	Character varying(255)	Name of movie
	description	text	Summary of movie
	Release_year	year	Year movie came out
	Language_id	smallint	Numerical language id
	Rental_duration	smallint	Length movie was rented for in days
	Rental_rate	Numerical(4,2)	Daily charge for movie
	length	smallint	How long each movie is
	Replacement_cost	Numeric(5,2)	Price of replacing rented movie
	rating	Mpaa_rating	The movies rating (g,pg,r,ect)
	Last_update	Timestamp(6) without time zone	When entry was last updated
	Special_features	text	If DVD has bonus features(deleted scenes, bloopers, ect)
	fulltext	Tsvector	

Links To

	Table	Join	Title/Name/Description
	languages	Film.language_id=languae.language_id	FK_film_lanaguge_language_id/key restraint refferncing film.language_id

Linked from

	Table	Join	Title/Name/Description
	Inventory	Film.film_id=inventory.film_id	FK_film_inventory_film_id/key restraint refferncing film.film_id

Unique Keys

	Coulmns	Name/Description
	film_id	PK_film_film_id Primary key (clustered) constraint

1.1.8 Table: Language

	Columns	Data Type	Description
	Languge_id	serial	Numerical id for language
	name	Character(20)	Name of language
	Last_update	Timestamp(6) without time zone	When entry was last updated

Linked from

	Table	Join	Title/Name/Description
	film	Lanague.language_id=film.language_id	FK_lanaguge_film_language_id /key restraint refferncing lanague_language_id

Unique Keys

	Coulmns	Name/Description
🔑	Lanague_id	PK_language_language_id Primary key (clustered) constraint

1.1.9 Table Category

	Columns	Data Type	Description
🔑	category_id	smallint	Numerical value for type of inventory item
	name	Character varying(25)	Name of item type
	Last_update	Timestamp(6) without time zone	When entry was last updated

Linked from

	Table	Join	Title/Name/Description
🔗	Film_category	Category.category_id=film_category.categoty_id	FK_category_film_category_category_id /key restraint referencing lcategory_category_id

Unique Keys

	Coulmns	Name/Description
🔑	category_id	PK_category_category_id Primary key (clustered) constraint

1.1.10 Table Film_category

	Columns	Data Type	Description
🔑	film_id	smallint	Numerical id for each movie
🔑	category_id	smallint	Numerical value for type of inventory item
	Last_update	Timestamp(6) without time zone	When entry was last updated

Links to

	Table	Join	Title/Name/Description
🔗	category	Film_category.category_id=category.category_id	FK_film_category_category_category_id /key restraint referencing film_category_category_id
🔗	Film	Film_category.film_id=film.film_id	FK_film_category_film_film_id/ key restraint referencing film_category_film_id

Unique Keys

	Coulmns	Name/Description
🔑	Film_id	PK_film_category_film_id Primary key (clustered) constraint
🔑	Category_id	PK_film_category_category_id Primary key (clustered) constraint

1.1.11 Table Customer

	Columns	Data Type	Description
🔑	customer_id	serial	Numerical value for each customer
	Store_id	smallint	Numerical value for each store
	First_name	Character varying(45)	Forename of customer
	Last_name	Character varying(45)	Surname of customer
	email	Character varying(50)	Email of customer
	Address_id	Smallint	
	activebool	boolean	
	Create_date	Date	
	Last_update	Timestamp(6) without time zone	When entry was last updated
	activer	integer	

Links To

	Table	Join	Title/Name/Description
🔗	address	Customer.addres_id=address.addres_id	FK_customer_address_address_id /key restraint referencing customer.address_id

Linked from

	Table	Join	Title/Name/Description
⤨	payment	Customer.customer_id=payment.customer_id	FK_customer_payment_customer_id /key restraint referencing customer.customer_id
⤨	rental	Customer.customer_id=rental.customer_id	FK_customer_rental_customer_id/ key restraint referencing customer.customer_id

Unique Keys

	Coulmns	Name/Description
🔑	Customer_id	PK_customer_customer_id Primary key (clustered) constraint

1.1.12 Table: Staff

	Columns	Data Type	Description
🔑	staff_id	serial	Numerical value for each staff member
	First_name	Character varying(45)	Forename of staff
	Last_name	Character varying(45)	Surname of staff
	Address_id	Smallint	Numerical value for address entry
	email	Character varying(50)	Email of staff
	Store_id	smallint	Numerical value for each store
	active	boolean	
	username	Character varying(16)	Staff user name
	password	Character varying(60)	Staff account password
	Last_update	Timestamp(6) without time zone	When entry was last updated
	picture	bytea	Photo of staff member

Links To

	Table	Join	Title/Name/Description
↗	address	Staff.address_id=address.adress_id	FK_staff_address_address_id /key restraint referencing staff.address_id

Linked From

	Table	Join	Title/Name/Description
	rental	Staff.staff_id=rental.staff_id	FK_staff_rental_staff_id /key restraint referencing staff.staff_id
	payment	Staff.staff_id=payment.staff_id	FK_staff_rental_staff_id/ key restraint referencing staff.staff_id
	store	Staff.staff_id=store.staff_id	FK_staff_store_staff_id/ key restraint referencing staff.staff_id

Unique Keys

	Coulmns	Name/Description
	Staff_id	PK_staff_staff_id Primary key (clustered) constraint

1.1.13 Table: Store

	Columns	Data Type	Description
	store_id	serial	Store code
	Manager_staff_id	smallint	Id code for stpores manager
	Adreess_id	smallint	Id code for address
	Last_update	Timestamp(6) without time zone	When entry was last updated

Links to

	Table	Join	Title/Name/Description
↗	staff	Store.manager_staff_id=staff.staff_id	FK_store_staff_staff_id /key restraint referencing store.manager_staff_id
↗	address	Store.address_id=address.address_id	FK_store_address_address_id/ key restraint referncing store.address_id

Unique Keys

	Coulmns	Name/Description
🔑	Store_id	PK_store_store_id Primary key (clustered) constraint

1.1.14 Table:Address

	Columns	Data Type	Description
🔑	address_id	serial	Numerical value for address entry
	Address	Character varying(50)	First address
	Address 2	Character varying(50)	Second address
	District	Character varying(20)	state
	City_id	Smallint	City code
	Postal_code	Character varying(10)	Zip code
	phone	Character varying(20)	Phone number
	Last_update	Timestamp(6) without time zone	When entry was last updated

Links to

	Table	Join	Title/Name/Description
	city	Address.city_id=city.city_id	FK_address_city_city_id /key restraint referencing address.city_id

Linked from

	Table	Join	Title/Name/Description
	customer	Address.address_id=customer.address_id	FK_address_customer_address_id /key restraint referencing address.address_id
	Staff	Address.address_id=staff.address_id	FK_addreess_staff_address_id/ key restraint refremcing address.address_id
	store	Address.address_id=store.address_id	FK_address_store_address_id/ key restraint refrencing address.address_id

Unique Keys

	Coulmns	Name/Description
	Address_id	PK_address_address_id
		Primary key (clustered) constraint

1.1.15 Table: City

	Columns	Data Type	Description
	City_id	Smallint	City code
	City	Character varying(50)	Name of city
	Country_id	smallint	Code of country
	Last_update	Timestamp(6) without time zone	When entry was last updated

Links to

	Table	Join	Title/Name/Description
	country	City.country_id=country.city_id	FK_city_country_country_id/ key restraint referncing city.country_id

Linked from

	Table	Join	Title/Name/Description
	address	City.address_id=address.address_id	FK_city_address_address_id/ key restraint referncing city.address_id

Unique Keys

	Coulmns	Name/Description
	City_id	PK_city_city_id Primary key (clustered) constraint

1.1.16 Table: Country

	Columns	Data Type	Description
	country_id	serial	Code of country
	country	Character varying(50)	Name of country
	Last_update	Timestamp(6) without time zone	When entry was last updated

Linked from

	Table	Join	Title/Name/Description
	city	Country.country_id=city.country_id	FK_country_city_country_id/ key restraint referencing country.country_id

Unique Keys

Coulmns		Name/Description
	Country_id	PK_country_country_id Primary key (clustered) constraint