Dragon Hunter DB

By Christina "D". Craig

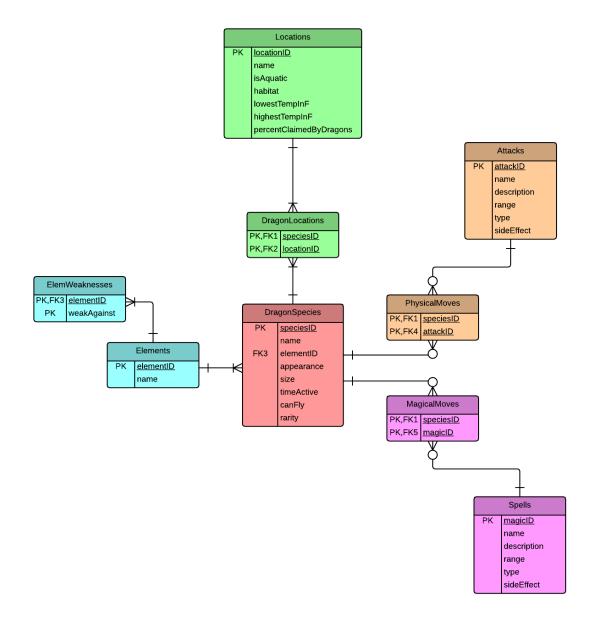
Executive Summary

Attention all adventurers! The Great Wizard Magnus has devised a new spell that will allow any common adventurer to view an extensive collection of information on our most cunning and deadly enemy—the Dragon! Magnus knows that not all of you adventurers are skilled in the magical arts, so he has graciously created several hundred magical stone tablets and scattered them around our land in both cities and wildlands for your convenience! Simply approach a stone tablet and write upon it with the tip of your finger a "query." The tablet will then shift and show you the answer you desire! Ask it anything about dragons, and it will know the answer!

Magnus has called this new magical breakthrough the "Dragon Hunter Datatbase." The objectives of Dragon Hunter DB are to provide adventurers with the information they need to travel safely and successfully defeat a dragon should they come across one. The database contains information on all of the dragon species within our country's borders. Anything from the dragon's location, attacks, and spells to its elemental weaknesses is available for viewing in the database.

Magnus has been very generous in releasing the secrets of creating this amazing magical database! Below are all of the magical enchantments and incantations that went into creating Dragon Hunter DB. You all know that Magnus is a huge supporter of open-source magic, so those of you who are skilled with magic can go ahead and improve the database even further! Magnus has even admitted the shortcomings of the database and proposed future enhancements that may increase its effectiveness in the future. Without further ado, please enjoy the magnificent Dragon Hunter DB!

Magical ER Diagram



Tables

DragonSpecies

This table lists and describes all of the dragon species in our country's borders. Included are the size, time of day that the beast is most active, ability to fly, and rarity of the dragon.

First, we need to create the enumerated types that size and rarity use:

CREATE TYPE rarity AS enum ('very common', 'common', 'uncommon', 'rare', 'very rare', 'extremely rare', 'one of a kind');

CREATE TYPE size AS enum ('extremely small', 'very small', 'small', 'medium', 'large', 'very large', 'extremely large');

Now for the actual table:

CREATE TABLE DragonSpecies (

speciesID	integer	NOT NULL PRIMARY KEY,
speciesName	text	NOT NULL UNIQUE,
elementID	integer	NOT NULL REFERENCES Elements(elementID),
appearance	text	NOT NULL,
size	size	NOT NULL,
timeActive	text	NOT NULL,
canFly	boolean	NOT NULL,
rarity	rarity	NOT NULL

Functional dependencies:

);

speciesID → speciesName, elementID, appearance, size, timeActive, canFly, rarity

speciesid integer	speciesname text		appearance text	size size	timeactive text		rarity rarity
1	Black Drake	4	Primarily	medium	Night	t	extremely rare
2	Southern Sea Terror	2	Primarily	extremely large	Day	f	rare
3	Sun Serpent	5	Entirely a	medium	Day	t	common
4	Eastern Lava-Eater	1	Primarily	very large	Day	t	common
5	Earthshatterer	6	Primarily	extremely large	Day	f	uncommon
6	Wind Wyrm	7	Primarily	small	Night	t	common
7	Bolt Lizard	3	Bright yel	very small	Day	f	very rare
8	Red Drake	1	Primarily	medium	Day	t	common
9	Altreus	5	The dragon	large	Dav	t	one of a kind

Locations

This table lists the locations in which our dragon enemies live. The table includes the name of the location, whether it is aquatic or terrestrial, the habitat type, the lowest and highest possible temperatures in degrees Fahrenheit, and the percentage of the land actively occupied and claimed by dragons.

CREATE TABLE Locations (

locationID	integer	NOT NULL PRIMARY KEY,
name	text	NOT NULL,
isAquatic	boolean	NOT NULL,
habitat	text	NOT NULL,
lowestTempInF	integer	NOT NULL,
highestTempInF	integer	NOT NULL,
percentClaimedByDragons	integer	NOT NULL

Functional dependencies:

);

locationID → name, isAquatic, habitat, lowestTempInF, highestTempInF, percentClaimedByDragons

locationid integer	name text	isaquati boolean		lowesttempinf integer	highesttempinf integer	percentclaimedbydragons integer
1	Everdark Forest	f	Conife	-40	50	85
2	Dead Gulf	t	Saltwa	-45	25	100
3	Mulgore Grasslands	f	Grassl	40	100	50
4	Mount Doom	f	Volcan	200	1000	40
5	Eastern Sea	t	Saltwa	30	85	60
6	Giri Desert	f	Desert	75	150	20

DragonLocations

This table connects the DragonSpecies and Locations tables because a single dragon species can live in multiple locations.

```
CREATE TABLE DragonLocations (

speciesID integer NOT NULL REFERENCES DragonSpecies(speciesID),

locationID integer NOT NULL REFERENCES Locations(locationID),

PRIMARY KEY(speciesID,locationID)

);
```

Functional dependencies:

speciesID, locationID \rightarrow no dependencies

speciesid integer	locationid integer
1	1
2	5
2	2
3	3
3	6
4	4
5	3
5	6
6	3
7	4
7	6
8	4
9	2
9	5
9	4

Elements

This table lists the names of all of the possible elements that a dragon can be. Each dragon can only have a single element, but there can be multiple species of dragons that share an element. The number of fire dragons is far too high!

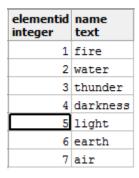
```
CREATE TABLE Elements (

elementID integer NOT NULL PRIMARY KEY,

name text NOT NULL
);
```

Functional dependencies:

elementID → name



ElemWeaknesses

elementID, weakAgainst → no dependencies

Every element has one or more weaknesses! How does one put out a fire? Well, with water of course! This table lists elements by ID and their weaknesses by name. Don't ask why that's so inconsistent, you might anger the great Magnus, and we really don't need another month long drought around here.

Attacks

This table lists and describes all of the different types of attacks that dragons have tried (and failed) to use against the great Magnus. He has carefully observed these attacks first hand and has compiled information including the name, description, range, type, and side effect of each attack.

CREATE TABLE Attacks (attackID integer NOT NULL PRIMARY KEY, text NOT NULL, name description NOT NULL, text NOT NULL, range text NOT NULL, text type sideEffect text);

Functional dependencies:

attackID → name, description, range, type, sideEffect

attack intege	name text	description text			range text	type text	sideeffect text	
1	Bite	The drago	n uses its	jaws to	melee	offensive	Bleeding.	Lost limbs.
2	Claw	The drago	n uses its	claws t	melee	offensive	Bleeding.	
3	Horn Thru	st The drago	n uses the	horns o	melee	offensive	Bleeding.	Dismemberment.
4	Tail Swip	e The dragon	n uses its	tail to	medium	both		
5	Wing Shie	ld The drago	n raises i	ts wings	melee	defensive		

Physical Moves

This table connects the DragonSpecies and Attacks tables because each dragon can employ multiple physical attacks! Some dragons like to use more parts of their bodies for combat than others, so don't be surprised if a dragon with claws just won't use the Claw attack!

```
CREATE TABLE PhysicalMoves (
speciesID integer NOT NULL REFERENCES DragonSpecies(speciesID),
attackID integer NOT NULL REFERENCES Attacks(attackID),
PRIMARY KEY(speciesID,attackID)
);
```

Functional dependencies:

speciesID, attackID → no dependencies

speciesid integer	attack intege
1	
	1 3 1 4 1 3
1	
2	1
2	4
3	1
3	3
3	4
4	1
4	1 2 3
4	3
4	5
5	
5	2 3 4
5	3
5	4
6	1
6	4
7	1 2
7	2

Spells

This table lists and describes all magical spells that a dragon may use to sizzle, burn, or otherwise maim the unprepared adventurer. Never fear, Magnus has taken it upon himself to carefully observe each spell down to the most minuscule detail in order to provide a detailed report!

CREATE TABLE Spells (integer NOT NULL PRIMARY KEY, magicID NOT NULL, name text description NOT NULL, text NOT NULL, range text NOT NULL, text type sideEffect text);

Functional dependencies:

magicID → name, description, range, type, sideEffect

magicid integer		description text	_	type text	sideeffect text
1	Fire Breath	The dragon breathes de	long o	offensive	May cause severe burns.
2	Thunder Breath	The dragon breathes de	medium d	offensive	May cause paralysis.
3	Ice Breath	The dragon inhales and	long o	offensive	May cause freezing or pneumonia.
4	Shadow Breath	The dragon inhales and	short o	offensive	May cause insanity or illusions.
5	Earthquake	The dragon causes the	long o	offensive	May cause the earth to swallow y
6	Air Breath	The dragon inhales and	long o	offensive	May cause a tornado to form.
7	Elemental Shield	The dragon forms a sh:	short o	defensive	Touching the shield may cause an
8	Elemental Storm	The dragon causes its	long o	offensive	Side effects depend on element.
9	Shapeshift	The dragon can assume	melee d	defensive	May cause not knowing who the he:
10	Stealth	Allows the dragon to t	melee o	defensive	Attacks from

Magical Moves

Similar to the PhysicalMoves table, this table seeks to connect the DragonSpecies and Spells tables. Each dragon can use multiple spells, and it isn't completely uncommon for a dragon of a certain element to use a spell from another element, so prepare for that!

```
CREATE TABLE MagicalMoves (

speciesID integer NOT NULL REFERENCES DragonSpecies(speciesID),

magicID integer NOT NULL REFERENCES Spells(magicID),

PRIMARY KEY(speciesID,magicID)

);
```

Functional dependencies:

speciesID, magicID → no dependencies

speciesio integer	magicid integer
1	4
1	. 7
1	. 8
1	10
1	. 9
2	
2	2 4
2	2 8
2	
3	
3	
3	
4	1 1
4	
4	
4	
5	
5	
5	
6	

Views

Dragon Locations View

This view will allow you to easily see all of the dragon species and all of their possible locations.

CREATE VIEW DragonsAndLocations

AS

SELECT d.name AS "speciesName", l.name AS "locationName"

FROM DragonSpecies d, Locations l, DragonLocations dl

WHERE d.speciesID = dl.speciesID AND l.locationID = dl.locationID

speciesName text	locationName text
Altreus	Dead Gulf
Altreus	Mount Doom
Altreus	Eastern Sea
Black Drake	Everdark Forest
Bolt Lizard	Giri Desert
Bolt Lizard	Mount Doom
Earthshatterer	Mulgore Grasslands
Earthshatterer	Giri Desert
Eastern Lava-Eater	Mount Doom
Red Drake	Mount Doom
Southern Sea Terror	Eastern Sea
Southern Sea Terror	Dead Gulf
Sun Serpent	Mulgore Grasslands
Sun Serpent	Giri Desert
Wind Wyrm	Mulgore Grasslands

Dragon Spells View

This view allows you to view all of the spells of every dragon species.

CREATE VIEW DragonSpells

AS

SELECT d.name AS "speciesName", s.name AS "spellName"

FROM DragonSpecies d, Spells s, MagicalMoves m

WHERE d.speciesID = m.speciesID AND s.magicID = m.magicID

speciesName text	spellName text
Black Drake	Shadow Breath
Black Drake	Elemental Shield
Black Drake	Elemental Storm
Black Drake	Stealth
Black Drake	Shapeshift
Bolt Lizard	Thunder Breath
Earthshatterer	Thunder Breath
Earthshatterer	Earthquake
Earthshatterer	Elemental Shield
Eastern Lava-Eater	Fire Breath
Eastern Lava-Eater	Earthquake
Eastern Lava-Eater	Elemental Shield
Eastern Lava-Eater	Elemental Storm
Red Drake	Fire Breath
Red Drake	Elemental Storm
Southern Sea Terror	Elemental Storm
Southern Sea Terror	Shadow Breath
Southern Sea Terror	Stealth
Southern Sea Terror	Ice Breath

Dragon Attacks View

This view allows you to view all of the physical attacks of every dragon species!

CREATE VIEW DragonAttacks

AS

SELECT d.name AS "speciesName", a.name AS "attackName"

FROM DragonSpecies d, Attacks a, PhysicalMoves p

WHERE d.speciesID = p.speciesID AND a.attackID = p.attackID

speciesName	attackName
text	text
Altreus	Claw
Altreus	Bite
Altreus	Tail Swipe
Altreus	Wing Shield
Altreus	Horn Thrust
Black Drake	Bite
Black Drake	Horn Thrust
Bolt Lizard	Claw
Bolt Lizard	Bite
Earthshatterer	Horn Thrust
Earthshatterer	Tail Swipe
Earthshatterer	Bite
Earthshatterer	Claw
Eastern Lava-Eater	Bite
Eastern Lava-Eater	Claw
Eastern Lava-Eater	Horn Thrust
Eastern Lava-Eater	Wing Shield
Red Drake	Claw
Red Drake	Horn Thrust
Red Drake	Wing Shield

Dragon Elements View

This view shows all dragon species, their elements, and their element's weaknesses!

CREATE VIEW DragonElements

AS

SELECT d.name AS "speciesName", e.name AS "elementName", w.weakAgainst AS "weaknessName"

FROM DragonSpecies d, Elements e, ElemWeaknesses w

WHERE d.elementID = e.elementID AND w.elementID = d.elementID

speciesName text	elementNa text	weakness text
Altreus	light	air
Black Drake	darkness	light
Bolt Lizard	thunder	earth
Earthshatterer	earth	air
Earthshatterer	earth	water
Eastern Lava-Eater	fire	water
Eastern Lava-Eater	fire	light
Eastern Lava-Eater	fire	earth
Red Drake	fire	water
Red Drake	fire	earth
Red Drake	fire	light
Southern Sea Terror	water	thunder
Southern Sea Terror	water	darkness
Sun Serpent	light	air
Wind Wyrm	air	darkness
Wind Wyrm	air	thunder

Reports and Their Queries

Dragons that have a weakness to water

Selects all dragon species that have a weakness to water and displays their name, element, and location so that you can go splash them with a bucket or something.

SELECT d.name AS "speciesName", e.name AS "elementName", l.name as "locationName"

FROM DragonSpecies d, Elements e, Locations l, ElemWeaknesses w, DragonLocations dl

WHERE d.elementID = w.elementID AND w.elementID = e.elementID AND w.weakAgainst = 'water' AND dl.speciesID = d.speciesID AND l.locationID = dl.locationID

ORDER BY d.name

speciesName text	eleme text	locationName text	
Earthshatterer	earth	Mulgore Grasslands	
Earthshatterer	earth	Giri Desert	
Eastern Lava-Eater	fire	Mount Doom	
Red Drake	fire	Mount Doom	

Dragons that live in locations that are at least 80% claimed by their kind

Selects all dragons and locations that have at least 80% of their land claimed by dragonkind. This is useful for when you're planning a nice picnic and you want your food to be heated up (or drenched in saltwater in some cases) upon arrival.

SELECT d.name AS "speciesName", l.name AS "locationName", l.percentClaimedByDragons AS "picnicQuality"

FROM DragonSpecies d, Locations l, DragonLocations dl

WHERE d.speciesID = dl.speciesID AND l.locationID = dl.locationID AND l.percentClaimedByDragons > 80

ORDER BY 1.percentClaimedByDragons

speciesName text	locationName text	picnicQuality integer
Black Drake	Everdark Forest	85
Southern Sea Terror	Dead Gulf	100
Altreus	Dead Gulf	100

Sneaky Dragons

Selects all dragons and locations of dragons that can either use stealth or shapeshifting magic, and shows which one they're using. Sometimes they have both. Spooky tricky dragons.

SELECT d.name AS "speciesName", l.name AS "locationName", s.name AS "spellName"

FROM DragonSpecies d, Locations l, DragonLocations dl, Spells s, MagicalMoves m

WHERE d.speciesID = dl.speciesID AND l.locationID = dl.locationID AND

s.magicID = m.magicID AND d.speciesID = m.speciesID AND s.name = 'Stealth'

OR d.speciesID = dl.speciesID AND l.locationID = dl.locationID AND

s.magicID = m.magicID AND d.speciesID = m.speciesID AND s.name = 'Shapeshift'

speciesName text	locationName text	spellName text
Altreus	Mount Doom	Shapeshift
Altreus	Eastern Sea	Shapeshift
Altreus	Dead Gulf	Shapeshift
Black Drake	Everdark Forest	Shapeshift
Black Drake	Everdark Forest	Stealth
Southern Sea Terror	Eastern Sea	Stealth
Southern Sea Terror	Dead Gulf	Stealth

Put Wings on Anything and it Instantly Becomes More Terrifying

This query lists all of the dragons, along with their locations, rarity, and size that can fly. Just when you thought it couldn't get any worse, some of these can swoop right out of the air and gobble you right up. Good thing Magnus can fly too. You know, wizards and shit.

SELECT d.name AS "speciesName", d.size AS "speciesSize", d.rarity as "speciesRarity", l.name AS "locationName"

FROM DragonSpecies d, Locations l, DragonLocations dl

WHERE d.speciesID = dl.speciesID AND l.locationID = dl.locationID AND d.canFly = true

ORDER BY d.size, d.rarity

speciesName text	speciesSize size	speciesRarity rarity	locationName text
Wind Wyrm	small	common	Mulgore Grasslands
Sun Serpent	medium	common	Mulgore Grasslands
Sun Serpent	medium	common	Giri Desert
Red Drake	medium	common	Mount Doom
Black Drake	medium	extremely rare	Everdark Forest
Altreus	large	one of a kind	Dead Gulf
Altreus	large	one of a kind	Eastern Sea
Altreus	large	one of a kind	Mount Doom
Eastern Lava-Eater	verv large	common	Mount Doom

Stored Procedures

HasTheColor(colorName text)

Returns all of the dragons that are the given color. That way you'll know exactly which one's head will match your mantelpiece best!

CREATE OR REPLACE FUNCTION HasTheColor(colorName text)

RETURNS TABLE("speciesName" text, "speciesDescription" text) AS \$\$

BEGIN

RETURN QUERY SELECT d.name AS "speciesName", d.appearance AS "speciesDescription"

FROM DragonSpecies d

WHERE d.appearance LIKE ('%' || colorName || '%')

ORDER BY d.name;

END;

\$\$ LANGUAGE plpgsql;

Example HasTheColor('black'):

hasthecolor record

("Black Drake", "Primarily a blueish black with a burnt orange underside. Inside of

("Eastern Lava-Eater", "Primarily a deep red with a jet black underside. Inside of

LocationTemp(low integer, high integer)

This function will return all locations that have temperatures within the given range. You can just give it a low temp and it'll return everything higher. I...I mean the Great and Marvelous Magnus wanted this function to allow the user to just give a high temp if so desired, but default parameters are weird and Magnus is tired because it is 5:00 AM and she...I mean he should have started this project earlier but didn't and...Oh never mind here it is:

CREATE OR REPLACE FUNCTION LocationTemp(low integer DEFAULT -9001, high integer DEFAULT 9001)

RETURNS TABLE("locationName" text, "lowTemp" integer, "highTemp" integer) AS \$\$

BEGIN

RETURN QUERY SELECT l.name AS "locationName", l.lowestTempInF AS "lowTemp", l.highestTempInF AS "highTemp"

FROM Locations 1

WHERE l.lowestTempInF >= low AND l.highestTempInF <= high

ORDER BY l.name;

END;

\$\$ LANGUAGE plpgsql;

Example LocationTemp(30)

locationtemp record	
("Eastern Sea", 30, 85)	
("Giri Desert",75,150)	
("Mount Doom", 200, 1000)	
("Mulgore Grasslands", 40, 10	

Example LocationTemp(40,200)

locationtemp record
("Giri Desert",75,150)
("Mulgore Grasslands", 40,100)

DragonAttacks

This function will return the types of attacks a given dragon species likes to use. Simply input the speciesID and you'll be on your way to being murdered and maimed! I mean on your way to conquering a fearsome beast! Yay for reward money and all that, right?

CREATE OR REPLACE FUNCTION DragonAttacks(specID integer)

RETURNS TABLE("speciesName" text, "speciesSize" size, "attackName" text, "attackDesc" text, "attackRange" text, "attackType" text, "attackSideEffect" text) AS \$\$

BEGIN

RETURN QUERY SELECT d.name AS "speciesName", d.size AS "speciesSize", a.name AS "attackName", a.description AS "attackDesc", a.range AS "attackRange", a.type AS "attackType", a.sideEffect AS "attackSideEffect"

FROM Attacks a, Physical Moves p, Dragon Species d

WHERE d.speciesID = p.speciesID AND p.attackID = a.attackID AND d.speciesID = specID ORDER BY d.name:

END;

\$\$ LANGUAGE plpgsql;

Example select DragonAttacks(6)

dragonattacks record

("Wind Wyrm", small, Bite, "The dragon uses its jaws to clamp down on its victim. Effectiveness depend ("Wind Wyrm", small, "Tail Swipe", "The dragon uses its tail to swiftly brush away its victim. This is

Example select DragonAttacks(8)

dragonattacks record

("Red Drake", medium, Claw, "The dragon uses its claws to swipe or rip at its victim. Effectiveness de ("Red Drake", medium, "Horn Thrust", "The dragon uses the horns on its head to impale its victim. This ("Red Drake", medium, "Wing Shield", "The dragon raises its wings in front of itself to block blows, pr

Triggers

Err, I'm not sure how to tell you this but...the Great and Mighty Magnus does not take kindly to triggers. I guess you might say that they...trigger him. That being said, Magnus had the intention of using a trigger and he will tell you how to make up for not actually making the trigger.

At first I wanted to use a trigger to create a back-up table for each table that gets created. It'd simply be a copy of a table that gets created when the table gets created, and inserted into when the table gets inserted into. That idea didn't seem like it was going to work out too well so instead I went for something simpler. I wanted to use a trigger to list all of the dragon species right after a new dragon species gets inserted into the dragon species table. I started doing that, but then realized that not only did I need to make a trigger function, but it had to return a trigger instead of a table like I originally intended, and I was not sure how to proceed from there. It is 6:34 AM and I am as wired as ever, but I'd rather spend my remaining juice making sure that the rest of this database is in order before submitting. Of course, if I magically get more time to work on this, I will gladly add the triggers I intended to add but as of now, I'll just have to omit them.

Security

Now, now. I know all of you adventurers are quite excited about all of this new technolo- I mean magic. However, we have to keep things secure around here so we can't just have anyone messing with the database. Yes, yes, I know I said it would be open source, and it truly is! There are just a few...constraints that we must place on exactly how open our source-magic can be. So here are the types of users that will be able to edit the database:

Magnus the Admin

Only Magnus himself can DELETE and ALTER privileges. This may not be convenient for the average admin, but Magnus is an all knowing and all powerful sorcerer. He will have no issue with maintaining the more delicate parts of his database no matter what era or universe he may be in. That being said, Magnus can of course do all of those other silly things that Archmages and below can do. Hell with it, Magnus gets ALL PRIVELEGES. HE IS GOD. HE IS ETERNAL. BOW TO HIM NOW. MUAHAHAHAHA.

CREATE ROLE magnus

GRANT ALL PRIVILEGES

ON ALL TABLES IN SCHEMA PUBLIC

TO magnus

Archmage

Only those with the highest skills in the magical arts can alter existing data. Archmages can UPDATE, INSERT, and of course SELECT data. They cannot, however, ALTER priveleges or DELETE existing data. No one fucks with Magnus's original work. NO ONE.

CREATE ROLE archmage

GRANT SELECT, INSERT, UPDATE

ON ALL TABLES IN SCHEMA PUBLIC

TO archmage

Wizard

Averagely talented magical folk can INSERT their own data and of course SELECT data, but they cannot UPDATE or change any existing data. That would anger the snooty Archmages, and Magnus has had enough of their whining already.

CREATE ROLE wizard

GRANT SELECT, INSERT

ON ALL TABLES IN SCHEMA PUBLIC

TO wizard

Shitty Muggle-Adventurer

Those with no magical ability whatsoever get to do nothing. Alright, fine, they can SELECT data and query it and look at it so they can throw themselves at dragons until the sun goes down or their flesh ends up well done. That should keep them quiet for a while.

CREATE ROLE adventurer

GRANT SELECT

ON ALL TABLES IN SCHEMA PUBLIC

TO adventurer

Implementation Notes

Let's get this straight right now. Magnus is an all-knowing, all-powerful being. I mean, how else would he have faced the dragon god Altreus and lived to tell the tale? However, he has reported that creating this database actually challenged him. Now, now, don't get your mortal, non-magical panties in a twist. That doesn't mean he's any less amazing. He's so amazing that he's decided to share the hardships of developing the database with the general public! How nice is that? Without further ado, here he is with his report!

Magnus here. I'd have to say the hardest part about creating Dragon Hunter DB was deciding what information about the beasts to keep and what to get rid of. I at one point had primaryColor and secondaryColor as separate entries in the DragonSpecies table. I eventually decided to throw a lot of information in the descriptions instead of having separate columns for information that was unnecessary. Another difficult decision was what to make an enumerated type and what to just make text, but I'll get more into that in the next section.

Known Problems

Is this some kind of joke? Everyone knows that there isn't a single possible way that there could be a *problem* with a database created by the all-powerful sorcer- sorry I'm groveling again. Here's Magnus again with more stuff to say.

Yo. Sorry about the apprentice. He's a little kiss-ass because he thinks that'll get him into the advanced magic class faster, but it sure as Merlin's beard won't. Anyway, there are a few problems with DHDB as it is right now. One problem is that certain things are just text fields and should be enumerated types. Other things are enumerated types that aren't giving enough information. For example, a dragon's size is an enumerated type that ranges from 'extremely small' to 'extremely large.' What does that even mean? How small is extremely small? We're talking about dragons, here, so that could be the size of a horse or the size of a house. In case you were wondering, extremely small is about the size of your hand, while extremely large is about the size of a fat, rich king's castle. Still, who knows how large a fat king's castle is? That's why we need numerical measurements for size.

Future Enhancements

Future enhancements would include dragons from all around our planet and from different time periods, past and present. Right now, we only have dragons from within our country's borders, mostly because we kind of like that dragons are murdering people in our enemy countries. However, dragons are becoming an increasing menace that'll spread to our beloved country if we don't help soon. So, we'll be adding way more dragons, attacks, locations, and spells in the future. There may even be new elements! I've been hearing about poison dragons and metal dragons, so I'll have to check that out soon.