

An abstract graphic on the left side of the page. It features a solid purple background with various colorful geometric shapes scattered across it. These shapes include circles, elongated rounded rectangles, and irregular blob-like forms in shades of orange, red, green, blue, and yellow. Some shapes are layered on top of others, creating a sense of depth.

Progress Report

TYLER MERRILL

EPPS 6354.001

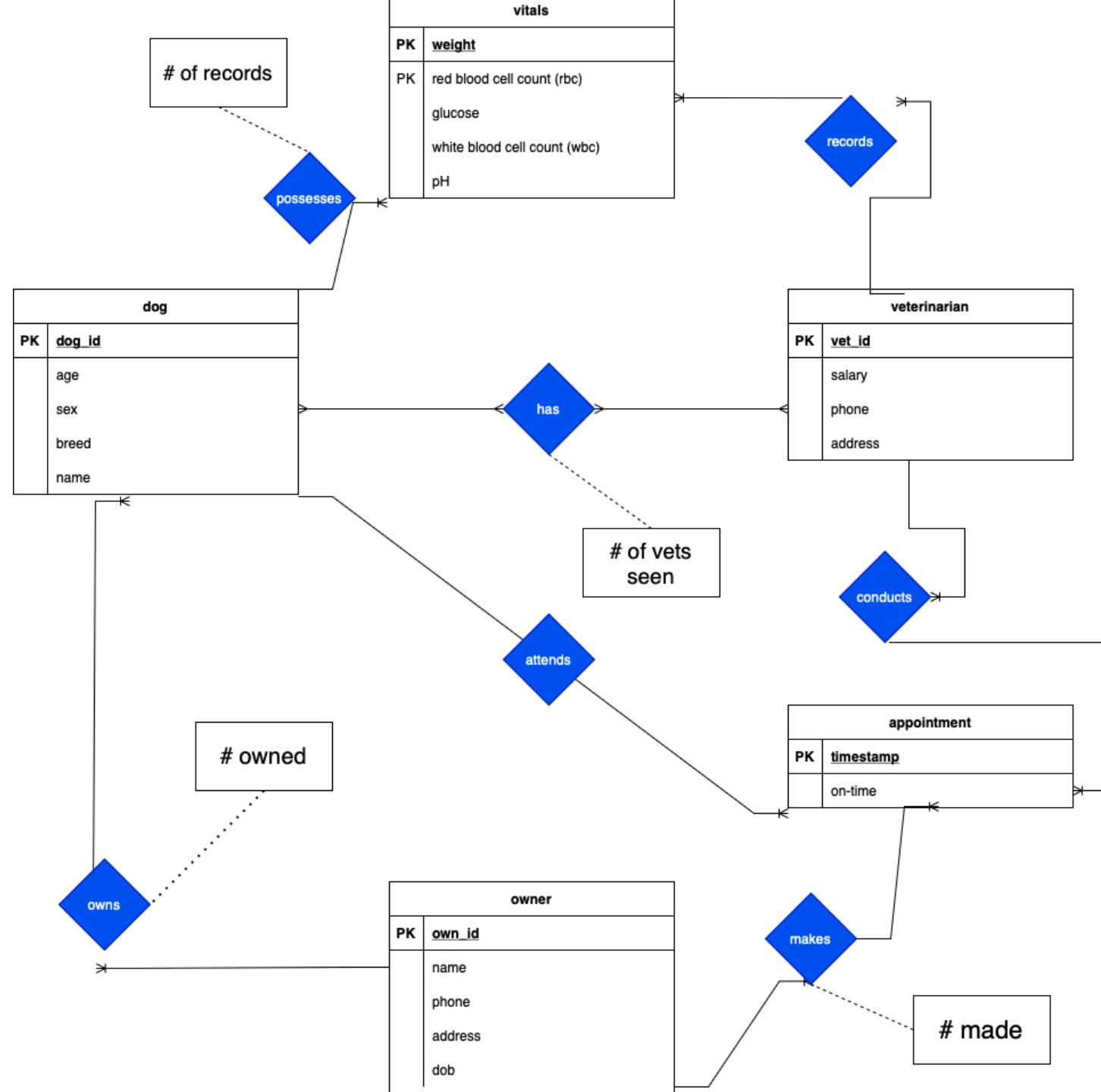


What? – Vet Office Appointments DB
Who? – Vets administering sessions
Why? – To record vet appointment info
for performing office/medicinal
functions (taxes, medical history,
diagnosis, etc.)

QUICK RECAP

New E-R Schema

- No multi-valued or composite attributes
- Six one-to-many and a single man-to-many cardinal relationships



Relational
Model
implemented
in PostgreSQL



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


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SQL

Showing rows

	vet_id [PK] character varying (6) 	vet_name character varying (15) 	salary numeric (6) 
1	456789	Hannah Minh	88000
2	456432	Julie French	66000

pgAdmin 4

story

Object Explorer

Servers (1)

PostgreSQL 17

Databases (3)

Project

Casts

Catalogs

Event Triggers

Extensions

Foreign Data Wrappers

Languages

Publications

Schemas (1)

public

Aggregates

Collations

Domains

FTS Configurations

FTS Dictionaries

FTS Parsers

FTS Templates

Foreign Tables

Functions

Materialized Views

Operators

Procedures

Sequences

Tables (6)

```
psql (17.2)
Type "help" for help.

Project=# \c Project
You are now connected to database 'Project'
Project=# \dt
          List of relations
Schema | Name  | Type  | Owner
-----+-----+-----+-----
public | appoint | table | postgres
public | dog    | table | postgres
public | dog_vet | table | postgres
public | own    | table | postgres
public | vet    | table | postgres
public | vital  | table | postgres
(6 rows)

Project=# \d appoint
          Table "public.appoint"
   Column   |          Type          |
-----+-----+-----
entrytime  | character varying(10) |
ontime     | character varying(3)  |
own_id     | character varying(6)  |
vet_id     | character varying(6)  |
dog_id     | character varying(6)  |
Indexes:
    "appoint_pkey" PRIMARY KEY, btree (own_id, vet_id)
Foreign-key constraints:
    "fk_dog" FOREIGN KEY (dog_id) REFERENCES public.dog (id)
    "own_fk" FOREIGN KEY (own_id) REFERENCES public.own (id)
    "vet_fk" FOREIGN KEY (vet_id) REFERENCES public.vet (id)

Project=# d\ dog
invalid command \
Try \? for help.
Project=# \d own
          Table "public.own"
   Column   |          Type          |
-----+-----+-----
```

Messages

Notifications

Showing rows: 1 to 2

Page No:

	rbc [PK] numeric (10,4)	glucose numeric (6,2)	wbc numeric (6,2)	vet_id character varying
(3,2)	0.15	457801.0000	67.00	341.00
0.08	66578.0000	43.00	1121.00	456432

```

29
30 own_data <- dbGetQuery(con, "SELECT distinct own_name
31 FROM own
32 NATURAL INNER JOIN vital;")
33 own_data
34
35
36 dog_data <- dbGetQuery(con, "SELECT * FROM dog")
37 head(dog_data)
38
39
40

```

37:15 (Top Level) ▾

Console Terminal Background Jobs

R 4.3.2 - ~/Documents/classes/machi/labs/4/ ↗

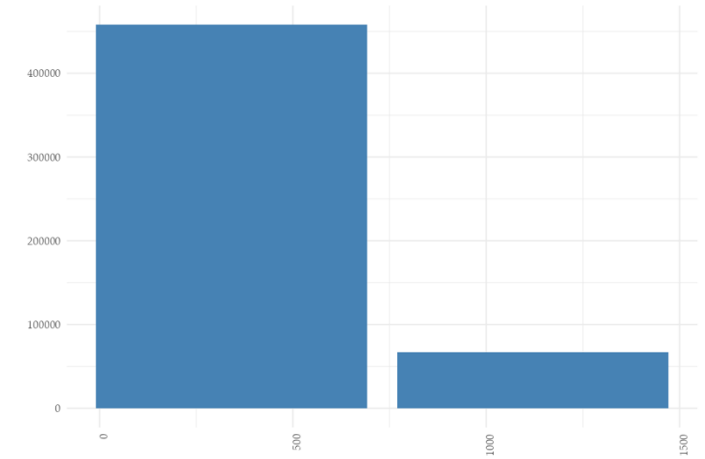
```

> own_data <- dbGetQuery(con, "SELECT distinct own_name
+ FROM own
+ NATURAL INNER JOIN vital;")
> own_data
  own_name
1 Jon Redford
2 Stacy Abrhams
> head(dog_data)
  dog_name  breed age own_id dog_id sex
1 Fido Rottweiler 7 55942 67883 M
2 Pocket Golden 3 32823 44312 F
>

```



Dog White vs. Red Blood-Cell Counts



R Connections and UI Foundations