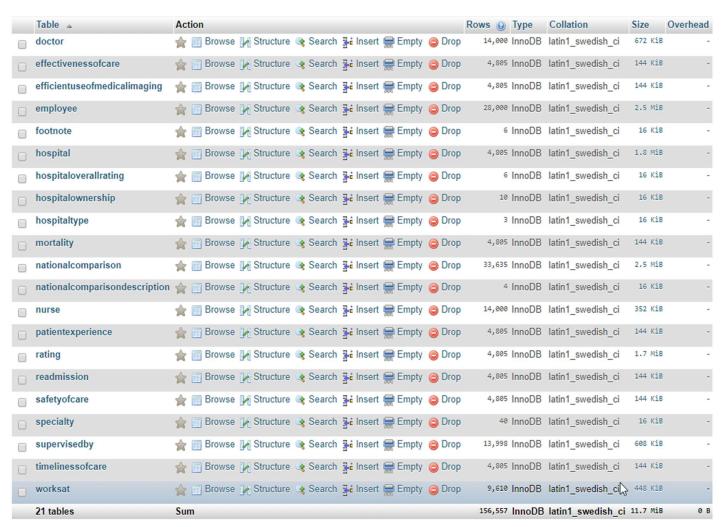Eric Wolfe
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README

I was able to get all of my real information into the database and the fake data as well. The mydatabase-small file is my old sql file from the previous project. It does not have the changes made to the new sql file but they work the same. The small database just has extra fields. As with the last project, I imported the database into mamp using the following command: mysql -u root -p < mydatabase.sql. This worked the same for me again but this time it took a lot longer. Below is pictures showing that I met the requirements that were asked for. These will be in the zip as well.

Picture 1: Overall view of my database

	Table ▲	Action	Rows ⓘ	Type	Collation	Size	Overhead
☐	doctor	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	14,000	InnoDB	latin1_swedish_ci	672 KiB	-
☐	effectivenessofcare	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	efficientuseofmedicalimaging	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	employee	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	28,000	InnoDB	latin1_swedish_ci	2.5 MiB	-
☐	footnote	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	6	InnoDB	latin1_swedish_ci	16 KiB	-
☐	hospital	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	1.8 MiB	-
☐	hospitaloverallrating	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	6	InnoDB	latin1_swedish_ci	16 KiB	-
☐	hospitalownership	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	10	InnoDB	latin1_swedish_ci	16 KiB	-
☐	hospitaltype	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	3	InnoDB	latin1_swedish_ci	16 KiB	-
☐	mortality	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	nationalcomparison	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	33,635	InnoDB	latin1_swedish_ci	2.5 MiB	-
☐	nationalcomparisondescription	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4	InnoDB	latin1_swedish_ci	16 KiB	-
☐	nurse	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	14,000	InnoDB	latin1_swedish_ci	352 KiB	-
☐	patientexperience	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	rating	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	1.7 MiB	-
☐	readmission	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	safetyofcare	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	specialty	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	40	InnoDB	latin1_swedish_ci	16 KiB	-
☐	supervisedby	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	13,998	InnoDB	latin1_swedish_ci	608 KiB	-
☐	timelinessofcare	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	4,805	InnoDB	latin1_swedish_ci	144 KiB	-
☐	worksat	⭐ 🔲 Browse 📊 Structure 🔍 Search ➕ Insert 🗑 Empty ⊘ Drop	9,610	InnoDB	latin1_swedish_ci	448 KiB	-
	21 tables	**Sum**	**156,557**	**InnoDB**	**latin1_swedish_ci**	**11.7 MiB**	**0 B**

Picture 2: Doctor table

```
|       27935 |            40 |
|       27945 |            40 |
+-------------+---------------+
14000 rows in set (0.01 sec)

mysql> select * from doctor limit 10
    -> ;
+-------------+---------------+
| Employee$id | Specialty$id |
+-------------+---------------+
|       14008 |            1 |
|       14106 |            1 |
|       14109 |            1 |
|       14136 |            1 |
|       14208 |            1 |
|       14212 |            1 |
|       14292 |            1 |
|       14401 |            1 |
|       14445 |            1 |
|       14450 |            1 |
+-------------+---------------+
10 rows in set (0.00 sec)

mysql>
```

Picture 3: Hospital Table

```
10 rows in set (0.00 sec)

mysql> select * from hospital limit 10
    -> ;
```

id	name	phoneNumber	address	ES	EHR	city	state	zipcode	county	HospitalType$id	HospitalOwnership$id	HospitalOverallRating$id
1	MARSHALL MEDICAL CENTER SOUTH	2565938310	2505 U S HIGHWAY 431 NORTH	1	1	BOAZ	AL	35957	MARSHALL	1	2	3
2	DEKALB REGIONAL MEDICAL CENTER	2568453150	200 MED CENTER DRIVE	1	1	FORT PAYNE	AL	35968	DE KALB	1	6	3
3	WEDOWEE HOSPITAL	2563572111	209 NORTH MAIN STREET	1	1	WEDOWEE	AL	36278	RANDOLPH	1	2	4
4	HALE COUNTY HOSPITAL	3346243024	508 GREEN STREET	1	1	GREENSBORO	AL	36744	HALE	1	3	6
5	CRESTWOOD MEDICAL CENTER	2568823100	ONE HOSPITAL DR SE	1	1	HUNTSVILLE	AL	35801	MADISON	1	6	6
6	CHOCTAW GENERAL HOSPITAL	2054599100	401 VANITY FAIR LANE, PO BOX 618	1	1	BUTLER	AL	36904	CHOCTAW	3	10	6
7	YUKON KUSKOKWIM DELTA REG HOSPITAL	9075436300	PO BOX 287	1	1	BETHEL	AK	99559	BETHEL	1	7	3
8	NORTON SOUND REGIONAL HOSPITAL	9074433311	1000 GREG KRUSCHEK AVENUE (P O BOX 966)	1	0	NOME	AK	99762	NOME	3	7	6
9	KANAKANAK HOSPITAL	9078425201	P O BOX 130	1	1	DILLINGHAM	AK	99576	DILLINGHAM	3	10	6
10	MANIILAQ HEALTH CENTER	9074423321	PO BOX 43	1	1	KOTZEBUE	AK	99752	NORTHWEST ARCTIC	3	7	6

```
10 rows in set (0.02 sec)

mysql>
```

Picture 4: Rating table

```
|             9 |             9 |         4814 |         9619 |            14424 |               19229 |            24034 |                    28839 |
|            10 |            10 |         4815 |         9620 |            14425 |               19230 |            24035 |                    28840 |
+---------------+---------------+--------------+--------------+------------------+---------------------+------------------+--------------------------+
10 rows in set (0.00 sec)

mysql> select * from rating limit 100;
+---------------+---------------+--------------+--------------+------------------+---------------------+------------------+--------------------------+
| Hospital$id | Mortality$id | SafetyOfCare$id | Readmission$id | PatientExperience$id | EffectivenessOfCare$id | TimelinessOfCare$id | EfficientUseOfMedicalImaging$id |
+---------------+---------------+--------------+--------------+------------------+---------------------+------------------+--------------------------+
|             1 |             1 |         4806 |         9611 |            14416 |               19221 |            24026 |                    28831 |
|             2 |             2 |         4807 |         9612 |            14417 |               19222 |            24027 |                    28832 |
|             3 |             3 |         4808 |         9613 |            14418 |               19223 |            24028 |                    28833 |
|             4 |             4 |         4809 |         9614 |            14419 |               19224 |            24029 |                    28834 |
|             5 |             5 |         4810 |         9615 |            14420 |               19225 |            24030 |                    28835 |
|             6 |             6 |         4811 |         9616 |            14421 |               19226 |            24031 |                    28836 |
|             7 |             7 |         4812 |         9617 |            14422 |               19227 |            24032 |                    28837 |
|             8 |             8 |         4813 |         9618 |            14423 |               19228 |            24033 |                    28838 |
|             9 |             9 |         4814 |         9619 |            14424 |               19229 |            24034 |                    28839 |
|            10 |            10 |         4815 |         9620 |            14425 |               19230 |            24035 |                    28840 |
|            11 |            11 |         4816 |         9621 |            14426 |               19231 |            24036 |                    28841 |
|            12 |            12 |         4817 |         9622 |            14427 |               19232 |            24037 |                    28842 |
|            13 |            13 |         4818 |         9623 |            14428 |               19233 |            24038 |                    28843 |
|            14 |            14 |         4819 |         9624 |            14429 |               19234 |            24039 |                    28844 |
|            15 |            15 |         4820 |         9625 |            14430 |               19235 |            24040 |                    28845 |
|            16 |            16 |         4821 |         9626 |            14431 |               19236 |            24041 |                    28846 |
|            17 |            17 |         4822 |         9627 |            14432 |               19237 |            24042 |                    28847 |
|            18 |            18 |         4823 |         9628 |            14433 |               19238 |            24043 |                    28848 |
|            19 |            19 |         4824 |         9629 |            14434 |               19239 |            24044 |                    28849 |
|            20 |            20 |         4825 |         9630 |            14435 |               19240 |            24045 |                    28850 |
|            21 |            21 |         4826 |         9631 |            14436 |               19241 |            24046 |                    28851 |
|            22 |            22 |         4827 |         9632 |            14437 |               19242 |            24047 |                    28852 |
|            23 |            23 |         4828 |         9633 |            14438 |               19243 |            24048 |                    28853 |
|            24 |            24 |         4829 |         9634 |            14439 |               19244 |            24049 |                    28854 |
|            25 |            25 |         4830 |         9635 |            14440 |               19245 |            24050 |                    28855 |
|            26 |            26 |         4831 |         9636 |            14441 |               19246 |            24051 |                    28856 |
|            27 |            27 |         4832 |         9637 |            14442 |               19247 |            24052 |                    28857 |
|            28 |            28 |         4833 |         9638 |            14443 |               19248 |            24053 |                    28858 |
|            29 |            29 |         4834 |         9639 |            14444 |               19249 |            24054 |                    28859 |
|            30 |            30 |         4835 |         9640 |            14445 |               19250 |            24055 |                    28860 |
|            31 |            31 |         4836 |         9641 |            14446 |               19251 |            24056 |                    28861 |
|            32 |            32 |         4837 |         9642 |            14447 |               19252 |            24057 |                    28862 |
```

Picture 5: All tables

```
|        92 |        92 |      4897 |      9702 |     14507 |     19312 |     24117 |     28922 |
|        93 |        93 |      4898 |      9703 |     14508 |     19313 |     24118 |     28923 |
|        94 |        94 |      4899 |      9704 |     14509 |     19314 |     24119 |     28924 |
|        95 |        95 |      4900 |      9705 |     14510 |     19315 |     24120 |     28925 |
|        96 |        96 |      4901 |      9706 |     14511 |     19316 |     24121 |     28926 |
|        97 |        97 |      4902 |      9707 |     14512 |     19317 |     24122 |     28927 |
|        98 |        98 |      4903 |      9708 |     14513 |     19318 |     24123 |     28928 |
|        99 |        99 |      4904 |      9709 |     14514 |     19319 |     24124 |     28929 |
|       100 |       100 |      4905 |      9710 |     14515 |     19320 |     24125 |     28930 |
+-----------+-----------+-----------+-----------+-----------+-----------+-----------+-----------+
100 rows in set (0.00 sec)

mysql> show tables;
+-----------------------------+
| Tables_in_mydatabase        |
+-----------------------------+
| doctor                      |
| effectivenessofcare         |
| efficientuseofmedicalimaging|
| employee                    |
| footnote                    |
| hospital                    |
| hospitaloverallrating       |
| hospitalownership           |
| hospitaltype                |
| mortality                   |
| nationalcomparison          |
| nationalcomparisondescription|
| nurse                       |
| patientexperience           |
| rating                      |
| readmission                 |
| safetyofcare                |
| specialty                   |
| supervisedby                |
| timelinessofcare            |
| worksat                     |
+-----------------------------+
21 rows in set (0.00 sec)

mysql>
```

Picture 6: Finding 5 hospitals where the hospitaloverallrating$id = 6

```
| timelinessofcare            |
| worksat                     |
+-----------------------------+
21 rows in set (0.00 sec)

mysql> select h.name from hospital h where hospitaloverallrating = 6 limit 5
    -> ;
ERROR 1054 (42S22): Unknown column 'hospitaloverallrating' in 'where clause'
mysql> describe hospital;
+-----------------------+-------------------+------+-----+---------+----------------+
| Field                 | Type              | Null | Key | Default | Extra          |
+-----------------------+-------------------+------+-----+---------+----------------+
| id                    | int(10) unsigned  | NO   | PRI | NULL    | auto_increment |
| name                  | varchar(100)      | NO   |     | NULL    |                |
| phoneNumber           | varchar(15)       | NO   |     | NULL    |                |
| address               | varchar(50)       | NO   |     | NULL    |                |
| ES                    | tinyint(1)        | NO   |     | NULL    |                |
| EHR                   | tinyint(1)        | NO   |     | NULL    |                |
| city                  | varchar(50)       | NO   |     | NULL    |                |
| state                 | varchar(25)       | NO   |     | NULL    |                |
| zipcode               | int(10) unsigned  | NO   |     | NULL    |                |
| county                | varchar(50)       | NO   |     | NULL    |                |
| HospitalType$id       | int(10) unsigned  | NO   | MUL | NULL    |                |
| HospitalOwnership$id  | int(10) unsigned  | NO   | MUL | NULL    |                |
| HospitalOverallRating$id | int(10) unsigned | NO | MUL | NULL    |                |
+-----------------------+-------------------+------+-----+---------+----------------+
13 rows in set (0.00 sec)

mysql> select h.name from hospital h where h.HospitalOverallRating$id = 6 limit 5;
+-------------------------------+
| name                          |
+-------------------------------+
| HALE COUNTY HOSPITAL          |
| CHOCTAW GENERAL HOSPITAL      |
| NORTON SOUND REGIONAL HOSPITAL |
| KANAKANAK HOSPITAL            |
| MANIILAQ HEALTH CENTER        |
+-------------------------------+
5 rows in set (0.03 sec)

mysql>
```

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Picture 7: Counting the number of tuples in the national comparison table

```
mysql> describe hospital;
+-----------------------+-------------------+------+-----+---------+----------------+
| Field                 | Type              | Null | Key | Default | Extra          |
+-----------------------+-------------------+------+-----+---------+----------------+
| id                    | int(10) unsigned  | NO   | PRI | NULL    | auto_increment |
| name                  | varchar(100)      | NO   |     | NULL    |                |
| phoneNumber           | varchar(15)       | NO   |     | NULL    |                |
| address               | varchar(50)       | NO   |     | NULL    |                |
| ES                    | tinyint(1)        | NO   |     | NULL    |                |
| EHR                   | tinyint(1)        | NO   |     | NULL    |                |
| city                  | varchar(50)       | NO   |     | NULL    |                |
| state                 | varchar(25)       | NO   |     | NULL    |                |
| zipcode               | int(10) unsigned  | NO   |     | NULL    |                |
| county                | varchar(50)       | NO   |     | NULL    |                |
| HospitalType$id       | int(10) unsigned  | NO   | MUL | NULL    |                |
| HospitalOwnership$id  | int(10) unsigned  | NO   | MUL | NULL    |                |
| HospitalOverallRating$id | int(10) unsigned | NO | MUL | NULL    |                |
+-----------------------+-------------------+------+-----+---------+----------------+
13 rows in set (0.00 sec)

mysql> select h.name from hospital h where h.HospitalOverallRating$id = 6 limit 5;
+------------------------------+
| name                         |
+------------------------------+
| HALE COUNTY HOSPITAL         |
| CHOCTAW GENERAL HOSPITAL     |
| NORTON SOUND REGIONAL HOSPITAL |
| KANAKANAK HOSPITAL           |
| MANIILAQ HEALTH CENTER       |
+------------------------------+
5 rows in set (0.03 sec)

mysql> select count(*) from nationalcomparison;
+----------+
| count(*) |
+----------+
|    33635 |
+----------+
1 row in set (0.01 sec)

mysql>
```