

PHP files are under the directory **/var/www/html/azp5611**

```
root@cmpsc431-s3-g-25: /var/www/html/azp5611 — ssh -p 1855 azp5611@CMPSC431-S3-G-25.vmhost....
root@cmpsc431-s3-g-25:/home/azp5611# ls
allergies.csv          patient_billing_history.csv      patient_password.csv
'Doctor Appointment.csv' patient_contact.csv             'Patient Visit.csv'
doctor_info.csv        patient_info.csv
doctor_password.csv    'Patient Medication History.csv'
root@cmpsc431-s3-g-25:/home/azp5611# cd /var/www/html/azp5611
root@cmpsc431-s3-g-25:/var/www/html/azp5611# ls
config.php delete.php insert.php start.php update1.php
root@cmpsc431-s3-g-25:/var/www/html/azp5611#
```

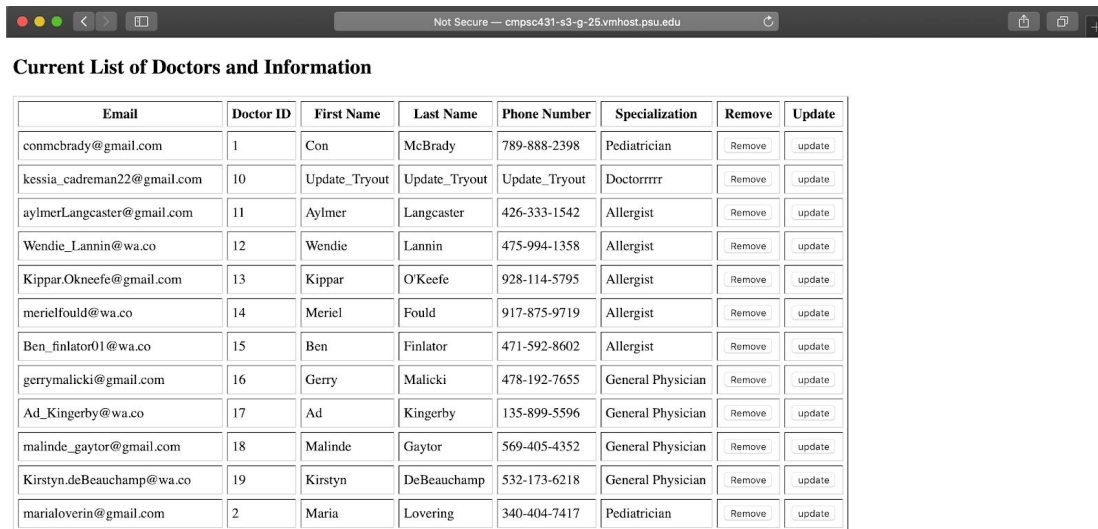
Home page for the working application is:

<http://cmpsc431-s3-g-25.vmhost.psu.edu/azp5611/start.php>

Under user-control you are able to insert (scroll all the way down), remove and update information on the homepage, “Current List of Doctor and Information”.

Recommended Web Browser: Safari (MacOS)

- Main Page (/azp5611/start.php) Screenshot 1



Email	Doctor ID	First Name	Last Name	Phone Number	Specialization	Remove	Update
connmcbrady@gmail.com	1	Con	McBrady	789-888-2398	Pediatrician	Remove	update
kessia_cadremam22@gmail.com	10	Update_Tryout	Update_Tryout	Update_Tryout	Doctorrrrr	Remove	update
aylmerLangcaster@gmail.com	11	Aylmer	Langcaster	426-333-1542	Allergist	Remove	update
Wendie_Lannin@wa.co	12	Wendie	Lannin	475-994-1358	Allergist	Remove	update
Kippar.Okneefe@gmail.com	13	Kippar	O'Keefe	928-114-5795	Allergist	Remove	update
merielfould@wa.co	14	Meriel	Fould	917-875-9719	Allergist	Remove	update
Ben_finlator01@wa.co	15	Ben	Finlator	471-592-8602	Allergist	Remove	update
gerrymalicki@gmail.com	16	Gerry	Malicki	478-192-7655	General Physician	Remove	update
Ad_Kingerby@wa.co	17	Ad	Kingerby	135-899-5596	General Physician	Remove	update
malinde_gaytor@gmail.com	18	Malinde	Gaytor	569-405-4352	General Physician	Remove	update
Kirstyn.deBeauchamp@wa.co	19	Kirstyn	DeBeauchamp	532-173-6218	General Physician	Remove	update
marialoverin@gmail.com	2	Maria	Lovering	340-404-7417	Pediatrician	Remove	update

## - Main Page(/azp5611/start.php) Screenshot 2

bourke.krol@wa.co	97	Bourke	Krol	990-614-8020	Pulmonologist	Remove	update
catha_cheng@hotmail.com	98	Catha	Cheng	977-504-1088	Pulmonologist	Remove	update

### Insert a new user:

Email:   
Doctor ID:   
First Name:   
Last Name:   
Phone Number:   
Specialization:

## - Update Information Page (/azp5611/update1.php) Screenshot 3



[Go back to "List of Doctors and Information" page](#)

### Edit Selected Doctor Information

Email  -> Email information is not allowed to be modified!  
Doctor ID  -> Doctor ID information is not allowed to be modified!  
First Name   
Last Name   
Phone Number   
Specialization

## Tables and Information

→ List of Tables in azp5611\_database

```
[mysql> use azp5611_database;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
[mysql> show tables;
+-----+
| Tables_in_azp5611_database |
+-----+
| allergies                   |
| doctor_info                 |
| doctor_password             |
| patient_billing_history     |
| patient_contact             |
| patient_info                |
| patient_password             |
+-----+
7 rows in set (0.00 sec)

mysql>
```

→ Table Name: **doctor\_info** and **doctor\_password**

```
[mysql> describe doctor_info;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Email | varchar(100) | NO | MUL | NULL | |
| Doctor_ID | varchar(100) | NO | PRI | NULL | |
| First_Name | varchar(100) | NO | | NULL | |
| Last_Name | varchar(100) | NO | | NULL | |
| Phone_Number | varchar(100) | NO | | NULL | |
| Specialization | varchar(100) | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

[mysql> describe doctor_password;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Email | varchar(100) | NO | PRI | NULL | |
| Password | varchar(100) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

→ Table Name: **patient\_password** (Parent Table)

```
[mysql> DESCRIBE patient_password;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Email | varchar(100) | NO | PRI | NULL | |
| Password | varchar(100) | NO | PRI | NULL | |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

→ Table Name: **patient\_info**

```
mysql> DESCRIBE patient_info;
```

Field	Type	Null	Key	Default	Extra
Email	varchar(100)	NO	MUL	NULL	
Patient_ID	varchar(100)	NO	PRI	NULL	
First_Name	varchar(100)	NO		NULL	
Last_Name	varchar(100)	NO		NULL	
DOB	varchar(100)	NO		NULL	
Sex	varchar(50)	NO		NULL	
Insurance_ID	varchar(100)	NO	PRI	NULL	
Blood_group	varchar(50)	NO		NULL	
Genotype	varchar(50)	NO		NULL	

9 rows in set (0.00 sec)

```
mysql>
```

→ Table Name: **allergies**

```
mysql> DESCRIBE allergies;
```

Field	Type	Null	Key	Default	Extra
Email	varchar(100)	NO	PRI	NULL	
Patient_ID	varchar(100)	NO	MUL	NULL	
Allergy_Name	varchar(100)	NO		NULL	

3 rows in set (0.00 sec)

→ Table Name: **patient\_contact**

```
mysql> DESCRIBE patient_contact;
```

Field	Type	Null	Key	Default	Extra
Email	varchar(100)	NO	PRI	NULL	
Patient_ID	varchar(100)	NO	MUL	NULL	
Patient_Phone	varchar(100)	NO		NULL	
Address	varchar(100)	NO		NULL	
EC_fname	varchar(100)	NO		NULL	
EC_lname	varchar(100)	NO		NULL	
EC_phone	varchar(100)	NO		NULL	

7 rows in set (0.00 sec)

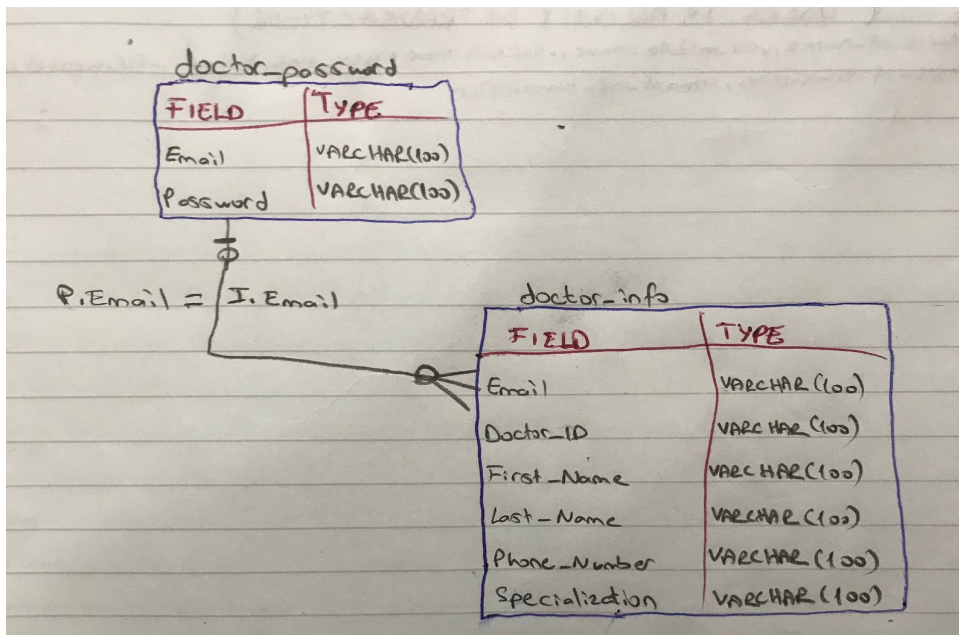
→ Table Name: **patient\_billing\_history**

```
[mysql> DESCRIBE patient_billing_history;
```

Field	Type	Null	Key	Default	Extra
Patient_ID	varchar(100)	NO	PRI	NULL	
Billing_Date	varchar(100)	NO		NULL	
Billing_Amount	varchar(100)	NO		NULL	

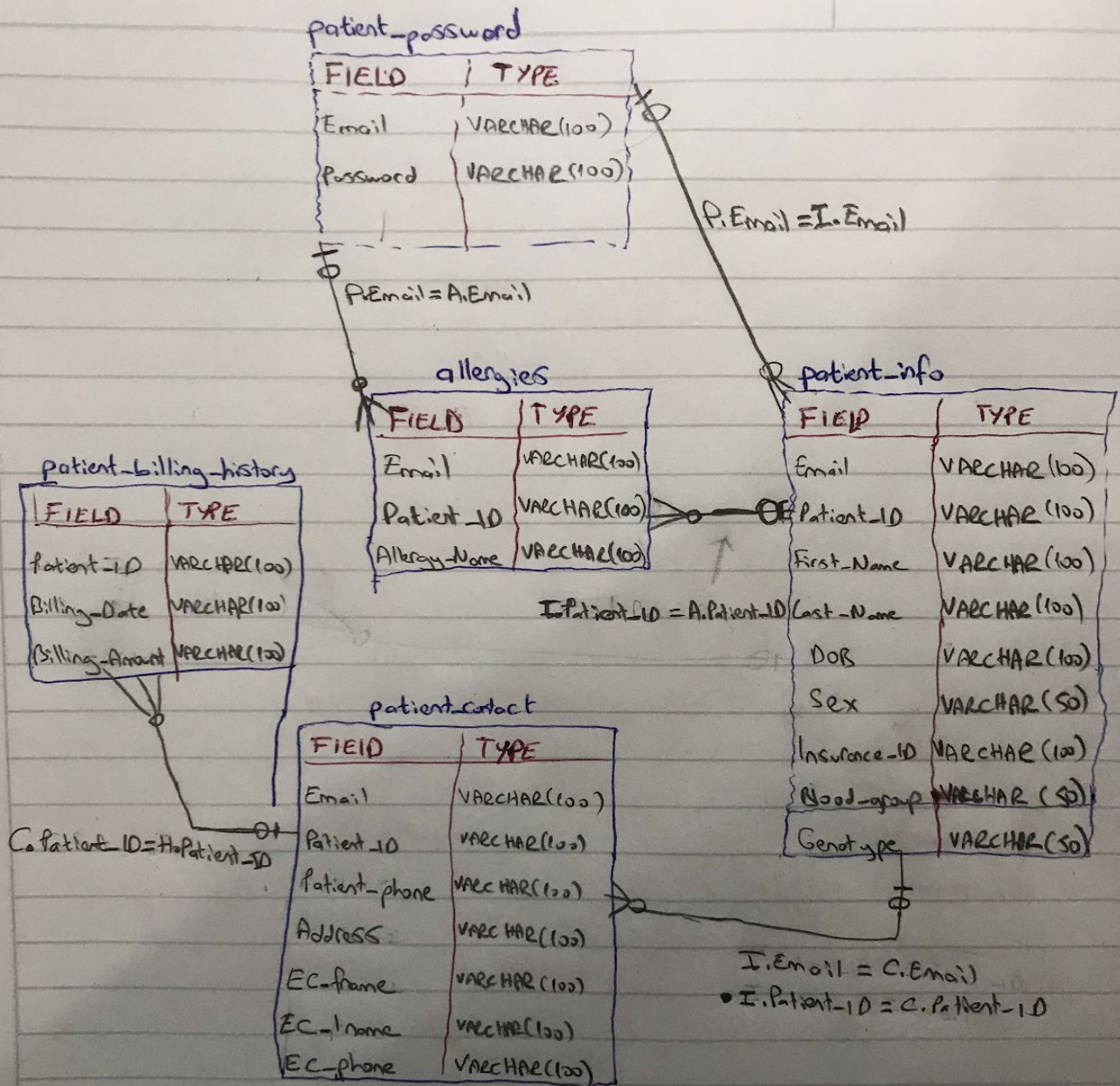
```
3 rows in set (0.00 sec)
```

## Table Design for Doctor





## Tables Design for Patient



## JOIN Examples

Syntax: SELECT \* FROM A,B,D,F WHERE A.field1 = B.field2 AND B.field2 = F.field3 AND A.field3 = D.field1;

→ Join of 2 tables (**doctor\_password** and **doctor\_info**)

```
mysql> SELECT * FROM doctor_password P, doctor_info D WHERE P.Email = D.Email AND Specialization = "Pediatrician";
```

Last_Name	varchar(100)	NO	NULL
Phone_Number	varchar(100)	NO	NULL
Specialization	varchar(100)	NO	NULL
6 rows in set (0.01 sec)			

```
mysql> SELECT First_Name, Last_Name, Password FROM doctor_info D, doctor_password P WHERE D.Email = P.Email AND Specialization = "Pediatrician";
```

First_Name	Last_Name	Password
Baron	Osanne	uJB8C4
Christiano	Baptie	MIYI4Y
Colas	Donisi	kR5GJjShKzv5
Con	McBrady	6gFsQ8M7kD0
Jennie	Chadwen	7FWPJRUQfP
Kessia	Cadremen	JhyiEiTv6
Laurie	Puddifer	azXI51j4
Maria	Lovering	axMg7a1
Niall	Gogarty	4W7gwJFBZA
Yurik	Stuck	F6av5Xz

10 rows in set (0.01 sec)

→ Join of 2 tables (**patient\_contact** and **patient\_billing\_history**)

```
mysql> SELECT C.Patient_ID, C.Patient_Phone, H.Billing_Date, H.Billing_Amount FROM patient_contact C, patient_billing_history H WHERE C.Patient_ID = H.Patient_ID AND C.Patient_ID = "1";
```

Patient_ID	Patient_Phone	Billing_Date	Billing_Amount
1	642-498-6965	4/22/2017	60

1 row in set (0.00 sec)

→ Join of 2 tables (**doctor\_password** and **doctor\_info**)

Current List of Doctors and Information

```
mysql> SELECT P.Password, I.Email, I.Doctor_ID, I.First_Name, I.Last_Name, I.Specialization FROM doctor_password P, doctor_info I WHERE P.Email = I.Email;
```

Password	Email	Doctor_ID	First_Name	Last_Name	Specialization
6gFsQ8M7kD0	conmcbbrady@gmail.com	1	Con	McBrady	Pediatrician
JhyiEiTv6	Kessia_Cadremen22@gmail.com	10	Update_Tryout	Update_Tryout	Doctorrrrr
XnosopgDK8e	aylmerlangcaster@gmail.com	11	Aylmer	Langcaster	Allergist
X0U9a10	Wendie_Lamin@wa.co	12	Wendie	Lamin	Allergist
7UD9ydyD	Kippas_Okneat@gmail.com	13	Kippas	O'keate	Allergist
dcwldyJ11eDN	meriel1foul@wa.co	14	Meriel	Fould	Allergist
80v69arums	Ben_Finlator@16wa.co	15	Ben	Finlator	Allergist
3J08Q1I2D	gerry.malicki@gmail.com	16	Gerry	Malicki	General Physician
2NuFvzr	Ad_Kingerby@wa.co	17	Ad	Kingerby	General Physician
LqPgs5	malinde_gaytor@gmail.com	18	Malinde	Gaytor	General Physician
8Lz0k8CSph	Kirstyn.deBeauchamp@wa.co	19	Kirstyn	DeBeauchamp	General Physician
2e4g7a1	marialovering@gmail.com	2	Maria	Lovering	Pediatrician
DnMC655	Benjy_Rembrandt@gmail.com	20	Benjy	Rembrandt	General Physician
4iUYmHVQRNm	Susana_konke1966@wa.co	21	Susana	Konke	Dermatologist
toVenK	bernardina@wa.co	22	Bernadina	Pilipyak	Dermatologist
6ae8UP	Pensia_Rustor@gmail.com	23	Pensia	Wotton	Dermatologist
UBgbx78	stirid_rustor@gmail.com	24	Stirid	Rustor	Dermatologist

	16	Gerry	Malicki	478-192-7655	General Physician	Remove	update
Ad_Kingerby@wa.co	17	Ad	Kingerby	135-899-5596	General Physician	Remove	update
malinde_gaytor@gmail.com	18	Malinde	Gaytor	569-405-4352	General Physician	Remove	update
Kirstyn.deBeauchamp@wa.co	19	Kirstyn	DeBeauchamp	532-173-6218	General Physician	Remove	update
marialoverin@gmail.com	2	Maria	Lovering	340-404-7417	Pediatrician	Remove	update
Benjy_Rembrandt@gmail.com	20	Benjy	Rembrandt	347-123-0141	General Physician	Remove	update
Susana_konke1966@wa.co	21	Susana	Konke	855-889-4440	Dermatologist	Remove	update
bernardina@wa.co	22	Bernadina	Pilipyak	197-345-7369	Dermatologist	Remove	update



→ Join of 3 tables (**patient\_password** and **patient\_info** and **allergies**)

```
mysql> SELECT Password,First_Name,Last_Name, Allergy_Name FROM patient_password P, patient_info I, allergies A WHERE P.Email = I.Email AND P.Email=A.Email
```

Password	First_Name	Last_Name	Allergy_Name
B48fYCHDi	Aarika	Skyrme	Chemo-Allergy
zId3iHrXZb	Addie	Keech	Anti-inflammatory-Allergy
1BVwlrD91iI	Aggy	Rawood	Latex-Allergy
4W7gw3FBNZA	Aguie	Vannoni	Ibuprofen-Allergy
jUR6Eu12D	Aldrich	Wedeling	Pollen-Allergy
uJB8C4	Allie	Mountlow	Latex-Allergy
t4eRUF	Alma	Dallas	Chemo-Allergy
rNufVzr	Ardelle	Sapauton	Sulphonamides-Allergy
8LzOKBCSoh	Barri	Desouza	Aspirin-Allergy
IPA7dPm62m	Bearnard	Reading	Anticonvulsant-Allergy
6gFsQ8M7kD0	Siouxie	Braganca	Chemo-Allergy
Isy6B4	Cece	Lowthorpe	Ibuprofen-Allergy
azXI51j4	Dani	Duddan	Ibuprofen-Allergy
41UYmhHVdQNm	Denver	Kingzeth	Pollen-Allergy
F6av5Xz	Dukie	Mullin	Sulphonamides-Allergy
KR5G3jShKzv5	Elberta	Hobbie	Anti-inflammatory-Allergy
syKd3YKXGs3	Fan	Treadway	Anticonvulsants-Allergy
Zfo7Bz3h2	Gayle	Champagne	Chemo-Allergy
9J2pWfz	Georges	Lacy	Aspirin-Allergy
7FWPJRUQfP	De-witt	Higbin	Latex-Allergy
UiC8B1mNN9	Hugo	Itzak	Ibuprofen-Allergy
TUD0yWdY	Iago	Joyner	Nut-Allergy
KCU9m1Q	Jackson	Pfleger	Aspirin-Allergy
UBgbztB	Janot	Handover	Aspirin-Allergy
Jy3U3Wp7P	Jocelyne	Amore	Sulphonamides-Allergy
KEMQd0eHRejr	Karalynn	Logesdale	Chemo-Allergy

→ Join of 5 tables (**patient\_password** and **patient\_info** and **allergies** and **patient\_contact** and **patient\_billing\_history**)

```
mysql> SELECT Password,First_Name,Last_Name,Allergy_Name,Patient_Phone,Billing_Date,Billing_Amount FROM patient_password P,patient_info I,allergies A,patient_contact C,patient_billing_history H WHERE P.Email = I.Email AND I.Patient_ID = A.Patient_ID AND I.Patient_ID = C.Patient_ID AND C.Patient_ID = H.Patient_ID;
```

7 rows in set (0.00 sec)

Password	First_Name	Last_Name	Allergy_Name	Patient_Phone	Billing_Date	Billing_Amount
B48fYCHDi	Aarika	Skyrme	Chemo-Allergy	819-559-3276	12/8/2016	239
zId3iHrXZb	Addie	Keech	Anti-inflammatory-Allergy	624-758-7968	8/5/2017	357
1BVwlrD91iI	Aggy	Rawood	Latex-Allergy	573-715-5867	11/14/2019	473
4W7gw3FBNZA	Aguie	Vannoni	Ibuprofen-Allergy	983-199-1232	12/31/2016	361
jUR6Eu12D	Aldrich	Wedeling	Pollen-Allergy	196-096-7597	3/20/2020	647
uJB8C4	Allie	Mountlow	Latex-Allergy	286-162-8358	2/13/2016	981
t4eRUF	Alma	Dallas	Chemo-Allergy	254-195-2831	2/3/2016	371
rNufVzr	Ardelle	Sapauton	Sulphonamides-Allergy	820-418-1482	8/16/2017	212
8LzOKBCSoh	Barri	Desouza	Aspirin-Allergy	736-329-2481	5/11/2019	894
IPA7dPm62m	Bearnard	Reading	Anticonvulsant-Allergy	916-561-6561	7/24/2019	991
6gFsQ8M7kD0	Siouxie	Braganca	Chemo-Allergy	642-498-6955	4/22/2017	68
Isy6B4	Cece	Lowthorpe	Ibuprofen-Allergy	538-911-1882	6/24/2019	817
azXI51j4	Dani	Duddan	Ibuprofen-Allergy	129-239-5836	7/30/2016	356
41UYmhHVdQNm	Denver	Kingzeth	Pollen-Allergy	877-640-3988	12/7/2016	150
F6av5Xz	Dukie	Mullin	Sulphonamides-Allergy	878-766-6236	1/26/2020	262
KR5G3jShKzv5	Elberta	Hobbie	Anti-inflammatory-Allergy	475-688-9641	3/13/2020	191
syKd3YKXGs3	Fan	Treadway	Anticonvulsants-Allergy	362-127-6961	1/26/2019	758
Zfo7Bz3h2	Gayle	Champagne	Chemo-Allergy	870-841-5191	8/14/2020	661
9J2pWfz	Georges	Lacy	Aspirin-Allergy	811-141-8220	1/17/2017	776
7FWPJRUQfP	De-witt	Higbin	Latex-Allergy	454-512-8636	6/25/2016	578
UiC8B1mNN9	Hugo	Itzak	Ibuprofen-Allergy	780-195-3844	2/16/2019	89
TUD0yWdY	Iago	Joyner	Nut-Allergy	664-144-3597	4/4/2018	457
KCU9m1Q	Jackson	Pfleger	Aspirin-Allergy	123-787-4712	9/1/2018	159
UBgbztB	Janot	Handover	Aspirin-Allergy	432-757-3834	9/6/2018	830
Jy3U3Wp7P	Jocelyne	Amore	Sulphonamides-Allergy	518-391-1838	9/27/2020	569
KEMQd0eHRejr	Karalynn	Logesdale	Chemo-Allergy	476-883-8152	10/12/2019	257
2AuXbEg2x	Karoly	Beaze	Penicillin-Allergy	197-163-7798	10/31/2017	482



-> Join of 5 tables (patient\_password and patient\_info and allergies and patient\_contact and patient\_billing\_history)

```
mysql> SELECT P.Password, I.Email, I.Last_Name, I.DOB, A.Allergy_Name, C.Patient_Phone, C.EC_phone, H.Billing_Amount FROM patient_password P, patient_info I, allergies A, patient_contact C, patient_billing_history H WHERE P.Email = I.Email AND I.Patient_ID = A.Patient_ID AND I.Patient_ID = C.Patient_ID AND C.Patient_ID = H.Patient_ID ORDER BY P.Email;
```

Password	Email	Last_Name	DOB	Allergy_Name	Patient_Phone	EC_phone	Billing_Amount
848fYCHD1	aarika.skyrme@wa.co	Skyrme	10/6/1997	Chemo-Allergy	819-559-3276	496-895-7267	239
zID3iHxKZb	addiekeech@hotmail.com	Keech	11/12/1983	Anti-inflammatory-Allergy	624-788-7968	823-384-7735	367
18VwlrD91iI	aggykeech@wa.co	Rawood	1/12/1990	Latex-Allergy	573-715-5867	118-623-1170	473
4W7gwJfBNZA	aguievannoni@gmail.com	Vannoni	9/8/1986	Ibuprofen-Allergy	983-199-1232	139-468-8978	361
jUR8Eu12D	aldrichwadeling@hotmail.com	Wadeling	8/14/1993	Pollen-Allergy	196-996-7587	792-784-9453	647
uJ88C4	alliemountflow@wa.co	Mountlow	11/22/1945	Latex-Allergy	286-162-8358	964-758-6173	981
t4eRUF	almedallas@hotmail.com	Dallas	10/13/1937	Chemo-Allergy	254-195-2831	714-672-5908	371
rNufVzr	ardellesapauton@wa.co	Sapauton	12/10/1971	Sulphonamides-Allergy	828-418-1482	771-978-5268	212
8Lz0k8CSoh	berriedesouza@gmail.com	Desouza	4/21/1968	Aspirin-Allergy	736-329-2451	963-261-3865	894
1PA7dPme2m	bernard.reading@gmail.com	Reading	6/17/2014	Anticonvulsant-Allergy	916-561-6561	782-292-3489	991
6gFsQ8M7kDO	braganca@wa.co	Braganca	10/7/2018	Chemo-Allergy	642-498-6955	424-947-1763	60
1sy6B4	cece.lowthorpe@wa.co	Lowthorpe	10/31/1963	Ibuprofen-Allergy	538-911-1882	688-176-1582	817
azK151j4	daniduddan@gmail.com	Duddan	6/22/2019	Ibuprofen-Allergy	129-239-5836	978-927-5920	366
41UYmhHVDQNm	denverkingzeth@wa.co	Kingzeth	8/27/1984	Pollen-Allergy	877-640-3980	548-936-8491	158
F6av5Xz	dukies.mullin@wa.co	Mullin	3/3/1961	Sulphonamides-Allergy	878-766-6236	558-483-6696	262
KR5GJjShKzv5	elbertahobble@hotmail.com	Hobble	6/11/1940	Anti-inflammatory-Allergy	476-688-9641	579-683-9864	191
syKd3YKXGgs3	fantreadway@gmail.com	Treadway	7/14/1995	Anticonvulsants-Allergy	352-127-6961	916-418-6634	758
Zfo7Bz3h2	gayechampagne@hotmail.com	Champagne	6/20/1980	Chemo-Allergy	870-841-5191	449-848-4822	661
9J2pWfz	georges.lacy@wa.co	Lacy	4/22/1995	Aspirin-Allergy	811-141-8220	893-365-3472	776
7FWP3RUQfP	highbindewitt@wa.co	Higbin	11/5/1952	Latex-Allergy	454-512-0636	737-952-6171	578
Uic8B1mNN9	hugo.itzek@gmail.com	Itzak	12/1/1934	Ibuprofen-Allergy	788-195-3844	941-579-8458	89
TUD8yWdY	Iago.joyner@hotmail.com	Joyner	6/9/1959	Nut-Allergy	664-144-3597	684-219-3119	457
KCU9m1Q	jacksonpfleger@wa.co	Pfleger	11/11/2017	Aspirin-Allergy	123-787-4712	646-251-8432	159
U8gbztB	janot.handover@wa.co	Handover	4/2/1947	Aspirin-Allergy	432-757-3834	654-214-3185	838
Jy3UJW1P7P	jocelyneamoores@wa.co	Amoores	4/16/1940	Sulphonamides-Allergy	518-391-1830	587-772-6297	569
kEMQd0eHRejr	karsalynnlogesdale@hotmail.com	Logesdale	9/21/1973	Chemo-Allergy	476-363-8152	684-518-8648	267
2AuXbEgzz	karoly.beaze@gmail.com	Beaze	8/5/1957	Penicillin-Allergy	197-163-7790	317-135-0525	482
EQeJK6	kelwindawking@gmail.com	Dawkins	3/23/2015	Sulphonamides-Allergy	993-549-7728	988-788-8187	855
PHm9XG6w	lemmy.colmer@wa.co	Colmer	12/22/1974	Sulphonamides-Allergy	985-213-6442	616-255-0633	318
XmosopwDkBe	Maggie.pesto@wa.co	Peyto	10/11/1953	Aspirin-Allergy	286-482-4964	178-751-1289	651
o2Rxxg8Z7IFS	maggieslps@wa.co	Alps	1/28/2008	Aspirin-Allergy	232-280-9853	763-956-6283	331
JhyiE1Tvc6	malachishillaber@hotmail.com	Shillaber	12/8/1987	Nut-Allergy	618-844-3879	128-529-8563	761
toVenK	niven.cockton@gmail.com	Cockton	8/16/1953	Aspirin-Allergy	882-678-6499	992-612-2854	478
dewLDyj1leDM	palmer.bartell@wa.co	Bartell	8/13/1935	Aspirin-Allergy	166-939-4114	112-968-5569	752
QU7TJq	reinepowis@hotmail.com	Powis	7/9/1994	Sulphonamides-Allergy	339-438-1425	194-143-3451	358
axMg7a1	Sharpus.bernhard@gmail.com	Sharpus	9/8/1966	Anticonvulsants-Allergy	988-222-4563	695-184-4892	569
d384k6J	shermieletertre@gmail.com	Leterre	6/1/1962	Anti-inflammatory-Allergy	841-932-6685	228-318-5877	179
DMhMc6S6	Sibylla.karpinski@gmail.com	Karpinski	8/29/2006	Ibuprofen-Allergy	384-311-8028	711-839-6544	193

→ Join of 5 tables (patient\_password and patient\_info and allergies and patient\_contact and patient\_billing\_history)

```
mysql> SELECT P.Email, P.Password, I.Last_Name, I.DOB, A.Allergy_Name, C.Patient_Phone, H.Billing_Amount FROM patient_password P, patient_info I, allergies A, patient_contact C, patient_billing_history H WHERE P.Email = I.Email AND I.Patient_ID = A.Patient_ID AND I.Patient_ID = C.Patient_ID AND C.Patient_ID = H.Patient_ID ORDER BY P.Email;
```

Email	Password	Last_Name	DOB	Allergy_Name	Patient_Phone	Billing_Amount
braganca@wa.co	6gFsQ8M7kDO	Braganca	10/7/2018	Chemo-Allergy	642-498-6955	60
Sharpus.bernhard@gmail.com	axMg7a1	Sharpus	9/8/1966	Anticonvulsants-Allergy	988-222-4563	569
elbertahobble@hotmail.com	KR5GJjShKzv5	Hobble	6/11/1940	Anti-inflammatory-Allergy	476-688-9641	191
alliemountflow@wa.co	uJ88C4	Mountlow	11/22/1945	Latex-Allergy	286-162-8358	981
highbindewitt@wa.co	7FWP3RUQfP	Higbin	11/5/1952	Latex-Allergy	454-512-0636	578
aguievannoni@gmail.com	4W7gwJfBNZA	Vannoni	9/8/1986	Ibuprofen-Allergy	983-199-1232	361
dukies.mullin@wa.co	F6av5Xz	Mullin	3/3/1961	Sulphonamides-Allergy	878-766-6236	262
daniduddan@gmail.com	azK151j4	Duddan	6/22/2019	Ibuprofen-Allergy	129-239-5836	366
malachishillaber@hotmail.com	JhyiE1Tvc6	Shillaber	12/8/1987	Nut-Allergy	618-844-3879	761

9 rows in set (0.01 sec)

```
mysql>
```