

Abstract:

The Report provides a full in-depth use of Database Systems from Design to Implementation. MySQL on PHPMyAdmin, PHP and HTML on VS Code, and XAMPP Server were used to create and implement the assignment.

Problem Description

I chose Problem 4 of the option where the application is a package delivery company (similar to FedEx, UPS, DHL, the USPS, etc.). The company needs to keep track of packages shipped and their customers. To find out more about this application, think about any experiences you may have had shipping packages and receiving packages, and browse shippers' web sites. In our hypothetical company, the manager assigned to solicit database design proposals is not very computer literate and is unable to provide a very detailed specification. Here are a few points to consider:

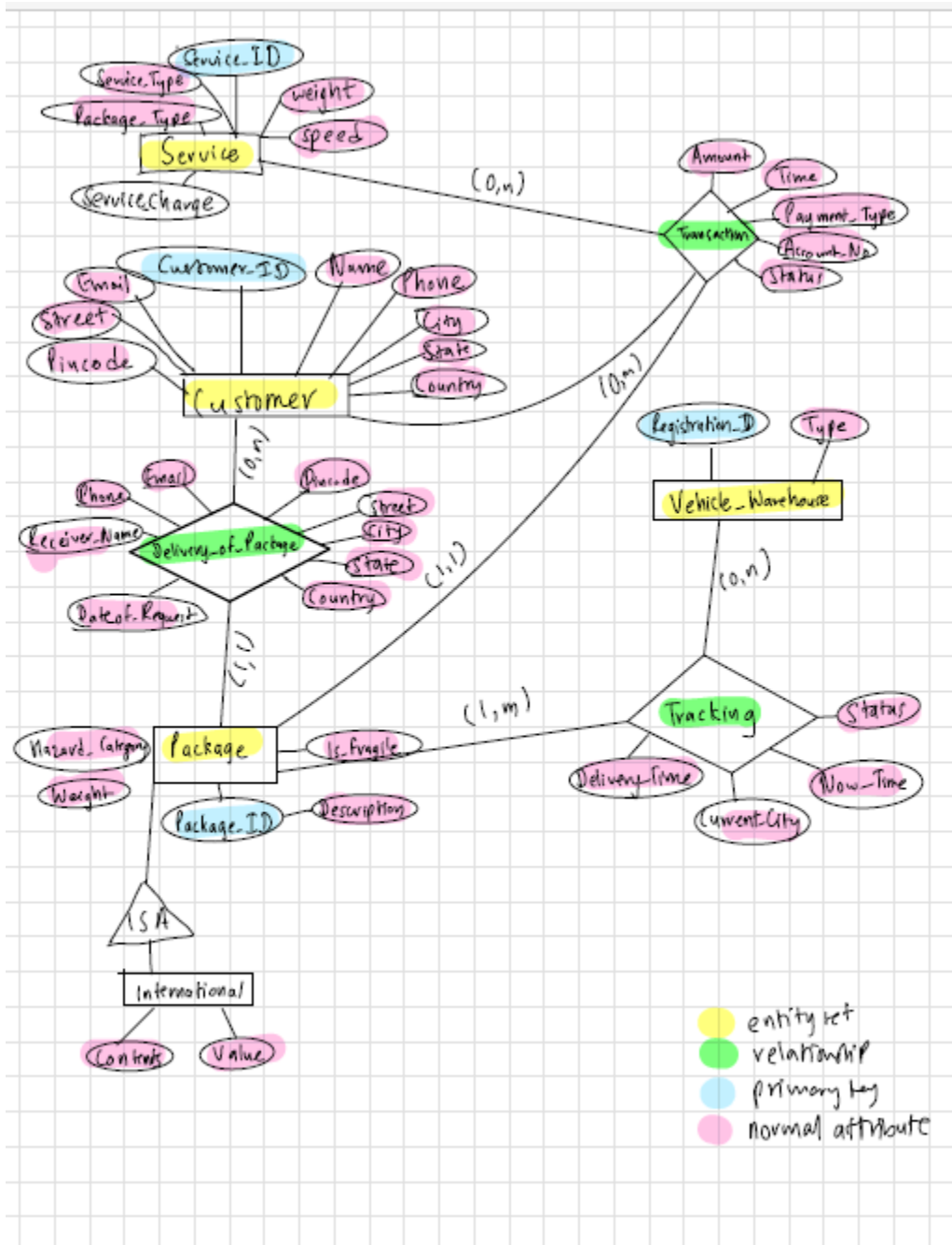
- There are different kinds of service possibly based upon the type of package (flat envelope, small box, larger boxes, etc.), the weight of the package, and the timeliness of delivery (overnight, second day, or longer).
- Some customers have a contract with the shipper and bill their shipments to an account number. They are billed monthly. Other customers are infrequent customers and pay with a credit card. Certain shipments are prepaid, as is might be the case of someone is returning something that was purchased by phone or Internet (e.g. returning clothes that don't fit, or returning malfunctioning electronics).

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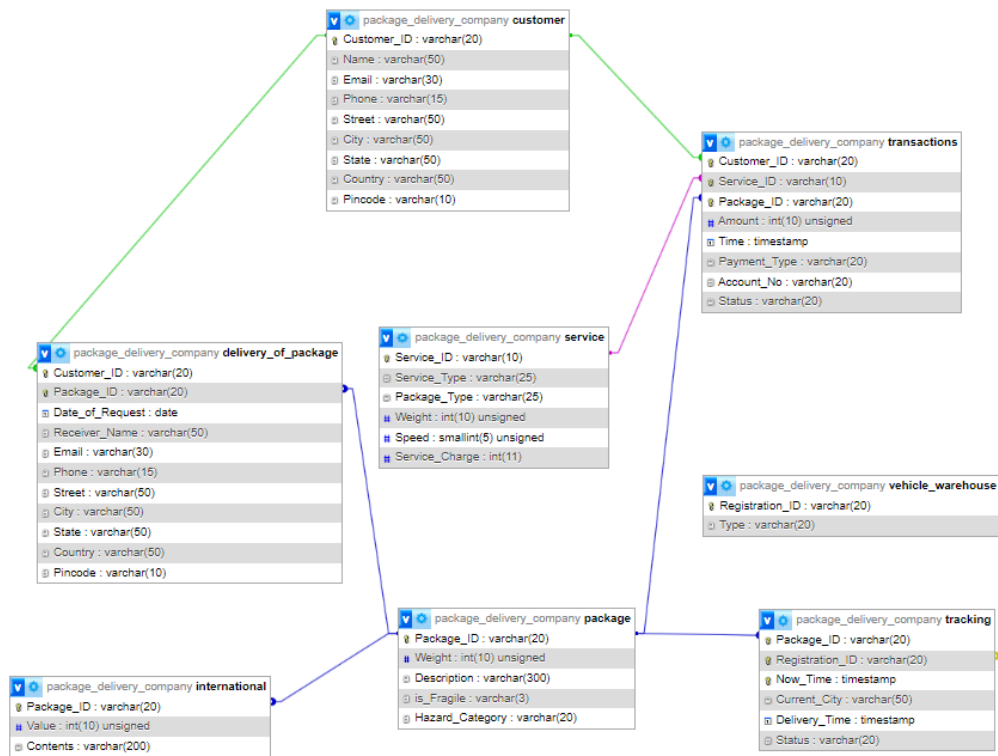
- For the most part, the shipping company does not care what is being shipped. However, there are cases where it matters. Some examples include – hazardous materials – international shipments, for which a customs declaration stating the contents and their value is needed
- The company needs to track packages from the time the customer drops it off (or it is picked up by the company) until the time it is delivered and signed for. Take a look at the online tracking offered by various shipping companies to get an idea of how this service works. If you are having something shipped to you, you'll find you can get every little detail of where the package is, where it has been, and to where it is currently headed. Beyond what the customer sees, the company itself needs to know on which truck or plane or warehouse the package is at any point in time.
- Tracking is not just an "in the present" issue. The company may want to look back in time and find out where the package was yesterday, for example. It may also want to look at data from the standpoint of a truck or warehouse.
- There are other aspects to the operation of the company besides package tracking such as the routing of trucks and planes, the assignment of staff to them, etc. For this assignment, we'll consider only the package handling and billing aspects of the database.

Database Design

E-R Diagram



Relational Schema



Data Population:

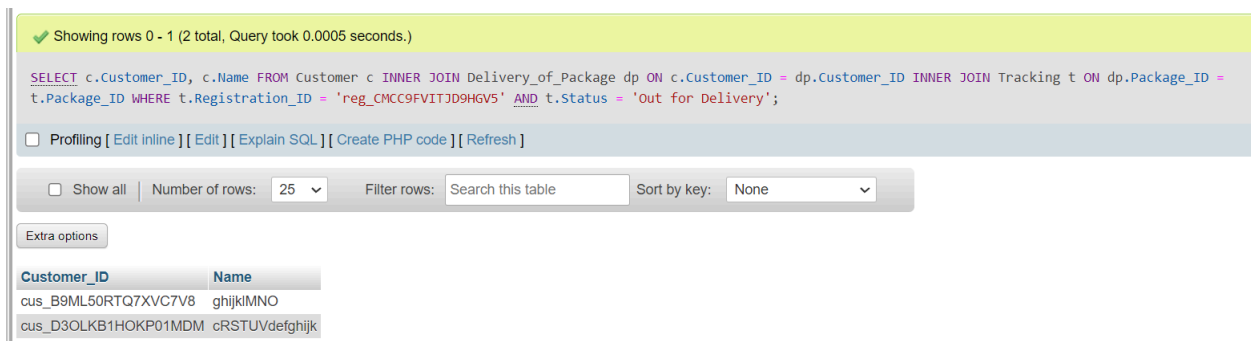
I created my database and all my data for the database on MySQL on phpMyAdmin for an easier connection with the back and frontend of the program. Due to time crunch and spending most of my time learning how to connect database in the front and back end, I wasn't able to populate more realistic data by hand. However, I took a more time effective and put more into learning effort by generating data using automatic procedures. All of this is documented in MySQL.

Queries:

Assume truck 1721 is destroyed in a crash. Find all customers who had a package on that truck at the time of the crash.

Using SQL:

```
SELECT c.Customer_ID, c.Name
FROM Customer c
INNER JOIN Delivery_of_Package dp ON c.Customer_ID = dp.Customer_ID
INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID
WHERE t.Registration_ID = '1721' AND
      t.Status = 'Out for Delivery';
```



Showing rows 0 - 1 (2 total, Query took 0.0005 seconds.)

```
SELECT c.Customer_ID, c.Name FROM Customer c INNER JOIN Delivery_of_Package dp ON c.Customer_ID = dp.Customer_ID INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID WHERE t.Registration_ID = 'reg_CMCC9FVITJD9HGVS' AND t.Status = 'Out for Delivery';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

Customer_ID	Name
cus_B9ML50RTQ7XVC7V8	ghijklmno
cus_D3OLKB1HOKP01MDM	cRSTUVdefghijk

Find all recipients who had a package on that truck at the time of the crash.

SQL:

```
SELECT dp.Receiver_Name, dp.Email, dp.Phone
FROM Delivery_of_Package dp
INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID
WHERE t.Registration_ID = '1721' AND
      t.Status = 'Out for Delivery';
```

✓ Showing rows 0 - 1 (2 total, Query took 0.0004 seconds.)

```
SELECT dp.Receiver_Name, dp.Email, dp.Phone FROM Delivery_of_Package dp INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID WHERE t.Registration_ID = 'reg_CMCC9FVITJD9HGV5' AND t.Status = 'Out for Delivery';
```

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☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

Receiver_Name	Email	Phone
RSTUVdefghijk	STUVdef@domain.com	7309091023
ghijkl	NOPQ@domain.com	6114797122

**Find the last successful delivery by that truck prior to the crash.
SQL:**

```
SELECT c.Customer_ID, c.Name, p.Description, t.Now_Time AS Delivery_Time
FROM Customer c
INNER JOIN Delivery_of_Package dp ON c.Customer_ID = dp.Customer_ID
INNER JOIN Package p ON dp.Package_ID = p.Package_ID
INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID
WHERE t.Registration_ID = '1721' AND
      t.Status = 'Delivered'
ORDER BY t.Now_Time DESC
LIMIT 1;
```

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
SELECT c.Customer_ID, c.Name, p.Description, t.Now_Time AS Delivery_Time FROM Customer c INNER JOIN Delivery_of_Package dp ON c.Customer_ID = dp.Customer_ID
INNER JOIN Package p ON dp.Package_ID = p.Package_ID INNER JOIN Tracking t ON dp.Package_ID = t.Package_ID WHERE t.Registration_ID = 'reg_CMCC9FVITJD9HGV5'
AND t.Status = 'Delivered' ORDER BY t.Now_Time DESC LIMIT 1;
```

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Customer_ID	Name	Description	Delivery_Time
-------------	------	-------------	---------------

Query results operations

[Create view](#)

No prior delivery.

Find the customer who has shipped the most packages in the past year.

```
SELECT Customer_ID
FROM Delivery_of_Package
WHERE year(Date_of_Request) = 2018
```

GROUP BY Customer_ID
ORDER BY COUNT(*) DESC
LIMIT 1;

Showing rows 0 - 0 (1 total, Query took 0.0046 seconds.)

```
select Customer_ID from Delivery_of_Package where year(Date_of_Request)=2018 group by Customer_ID order by count(*) desc limit 1;
```

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Extra options

Customer_ID

☐ Edit Copy Delete cus_WWKLNJME7XWZE9IT

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Find the customer who has spent the most money on shipping in the past year.

SELECT Customer_ID
FROM Transactions
WHERE year(Time) = 2018
GROUP BY Customer_ID
ORDER BY SUM(Amount) DESC
LIMIT 1;

Showing rows 0 - 0 (1 total, Query took 0.0030 seconds.)

```
select Customer_ID from Transactions where year(Time)=2018 group by Customer_ID order by sum(Amount) desc limit 1;
```

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Extra options

Customer_ID

☐ Edit Copy Delete cus_YCNFBDPFI9BUCTCD

☐ Check all With selected: Edit Copy Delete Export

Find the street with the most customers.

SELECT Street
FROM Customer
GROUP BY Street
ORDER BY COUNT(*) DESC
LIMIT 1;

✓ Showing rows 0 - 0 (1 total, Query took 0.0017 seconds.)

```
select Street from Customer group by Street order by count(*) desc limit 1;
```

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Extra options

← T → **Street**

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Find those packages that were not delivered within the promised time.

SELECT *

FROM Package

WHERE Package_ID IN (

SELECT Transactions.Package_ID

FROM Transactions

INNER JOIN Tracking ON Transactions.Package_ID = Tracking.Package_ID

INNER JOIN Delivery_of_Package ON Delivery_of_Package.Package_ID =

Transactions.Package_ID

INNER JOIN Service ON Transactions.Service_ID = Service.Service_ID

WHERE DATE_ADD(Delivery_of_Package.Date_of_Request, INTERVAL Service.Speed DAY) < Tracking.Now_Time
);

✓ Showing rows 0 - 24 (136 total, Query took 0.0117 seconds.)

```
select * from Package where Package_ID in (select Transactions.Package_ID from Transactions, Tracking, Delivery_of_Package, Service where Transactions.Package_ID = Tracking.Package_ID and Transactions.Service_ID = Service.Service_ID and Delivery_of_Package.Package_ID = Transactions.Package_ID and date_add(Delivery_of_Package.Date_of_Request, interval Service.Speed day) < Tracking.Now_Time);
```

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1 > >> ☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

Package_ID	Weight	Description	Is Fragile	Standard Category
pkg_26UT6A4NWWTUV8	304302	desc_FGHJULMNO	NO	NONE
pkg_0T3J09WHTJ0VIL3	50259	desc_LKLMNOPQRS	NO	NONE
pkg_1LEM08X27CAS2J1H	898788	desc_LKLMNOPQR	NO	NONE
pkg_1Q2Q3Q004WUJUVM	537579	desc_COEFGHJLK	YES	NONE
pkg_1RLQ04MNVQIMLTD	167091	desc_LKLMNOPQR	NO	NONE
pkg_1T54SD8VHLRUHX1	222693	desc_EFGHJULMN	YES	NONE
pkg_1TH8H9IC15WQZTU	522051	desc_OHJULMNOP	NO	NONE
pkg_1V582LEWAWVC1KOK	350795	desc_LKLMNOPQR	NO	NONE
pkg_1V5853FFFR80333	987211	desc_OHJULMNOP	NO	NONE
pkg_1XUMPVUXM1ZFNX	507505	desc_HJULMNOPQ	NO	NONE
pkg_2DLVUPU8N8TK169	585977	desc_EFGHJULMN	NO	NONE
pkg_2IAEPHSDWUPM03UG	353328	desc_ABCDEFGHJ	NO	NONE
pkg_2LGQNTLE158T1T1	942148	desc_OHJULMNOP	NO	NONE
pkg_2OAHU8T8F8050LG	982274	desc_OHJULMNOP	NO	NONE
pkg_2QXJGH9C4FN8XDDV	303575	desc_BCDEFGHJK	YES	NONE
pkg_2TTC38NBLHWAJ021	688004	desc_FGHJULMNO	NO	NONE
pkg_2WNVWBP4A3W87Y0A	78310	desc_FGHJULMNO	NO	NONE
pkg_43YBLUWY1K80L3D	575511	desc_COEFGHJLK	NO	NONE
pkg_4AKVHJLH1EAGJDL	936188	desc_ABCDEFGHJ	YES	NONE
pkg_4GZGNDQJF85V1XPH2	94213	desc_OHJULMNOP	NO	NONE
pkg_5V1VH4H3W85F1KRM	44869	desc_FGHJULMNO	NO	NONE
pkg_5E8V8VH0Q09P708U	585529	desc_EFGHJULMN	YES	NONE
pkg_5B0V108Q09P393Q	828530	desc_BCDEFGHJK	NO	NONE
pkg_75UC3V1HACTAQLP8	841445	desc_EFGHJULMN	NO	NONE
pkg_79VFZ227J206M2	51621	desc_OHJULMNOP	NO	NONE

⌕ ☐ Check all **With selected:** [Edit](#) [Copy](#) [Delete](#) [Export](#)

Generate the bill for each customer for the past month. Consider creating several types of bills.

– A simple bill: customer, address, and amount owed.

```
SELECT DISTINCT Customer.Customer_ID,  
               Customer.Name,  
               Transactions.Amount,  
               Customer.Pincode,  
               Customer.Street,  
               Customer.City,  
               Customer.State,  
               Customer.Country,  
               Customer.Email,  
               Customer.Phone  
FROM Customer, Transactions  
WHERE Customer.Customer_ID = Transactions.Customer_ID  
AND Transactions.Service_ID IN (  
    SELECT Service_ID  
    FROM Service  
    WHERE Service_Type = 'Postpaid'  
)  
UNION  
SELECT DISTINCT Customer.Customer_ID,  
               Customer.Name,  
               0,  
               Customer.Pincode,  
               Customer.Street,  
               Customer.City,  
               Customer.State,  
               Customer.Country,  
               Customer.Email,  
               Customer.Phone  
FROM Customer, Transactions  
WHERE Customer.Customer_ID = Transactions.Customer_ID  
AND Transactions.Service_ID IN (  
    SELECT Service_ID  
    FROM Service  
    WHERE Service_Type != 'Postpaid'  
)  
UNION
```



```

SELECT DISTINCT Customer.Customer_ID,
Customer.Name,
0,
Customer.Pincode,
Customer.Street,
Customer.City,
Customer.State,
Customer.Country,
Customer.Email,
Customer.Phone
FROM Customer
WHERE Customer.Customer_ID NOT IN (SELECT Customer_ID FROM Transactions);

```

Showing rows 0 - 24 (1210 total, Query took 0.0136 seconds)

SELECT DISTINCT Customer.Customer_ID, Customer.Name, Transactions.Amount, Customer.Pincode, Customer.Street, Customer.City, Customer.State, Customer.Country, Customer.Email, Customer.Phone FROM Customer, Transactions where Customer.Customer_ID = Transactions.Customer_ID and Transactions.Service_ID in (select Service_ID from Service where Service_Type = 'Postpaid') union (select distinct Customer.Customer_ID, Customer.Name, Customer.Pincode, Customer.Street, Customer.City, Customer.State, Customer.Country, Customer.Email, Customer.Phone FROM Customer where Customer.Customer_ID not in (select Customer_ID from Transactions))

Customer_ID	Name	Amount	Pincode	Street	City	State	Country	Email	Phone
cus_7HUCDLVXQBQ3096	aburSTUVdelgh	128	8403117	MNOPQWVYZmnp	prSTUV	TUvis	STUjs	NOPQdomain.com	338626187
cus_QW69ADQDVQZ22071	RSTUVdelghjMNOPQWV	128	40797655	hijkMNOP	juMNQ	NO	NOPQ	NOPQV@domain.com	4362166570
cus_Z9FTLAXTKQTKYJ	MNOPQWVYZm	343	10870484	MNOPQWV	klM	EFdelR	ghjklM	ABCDEFdelR@domain.com	7890969779
cus_Q32878W4ZL6Z595	TUVdelghjMNOPQWVYZm	4395	20335885	ghjklMNOPQWVZmnp	lmNOPQ	jkRS	juklM	delR@domain.com	756446865
cus_ZPHQSD8N696GELL	hijkMNOPQWVYZm	3681	91057587	ABCDEFdelRSTUVdelg	RS	jk	TUV	ghjklM@domain.com	430085104
cus_BELRN74VERIORQW	delghjklM	3681	45488651	NOP	ghjk	l	F	TU@domain.com	2548702818
cus_ZLRMT4T4GBSD071	F	3681	81824058	TUVdel	klMN	ABCD	delF	l@domain.com	222256238
cus_ZC56QDFWKMSS8YV	hijkMNOPQWV	3681	96880548	MNOPQWVYZmnpghjkl	EFdelR	NO	delRS	l@domain.com	2103665634
cus_VDEPQVW70BZROJ65	CDEFdelRSTUV	3681	80288372	l	C	Vdel	l	lM@domain.com	2710277862
cus_ZJWNS4P4R78N4J3	hijkMNOPQWV	3681	25960352	delRS	lmNOPQ	ST	TUVdelghj	UVdelgh@domain.com	519430596
cus_Z6Q28AJAJLJ6N7	h	7570	49862000	UVdelghjklM	TUVdel	DE	lmNOPQ	CDEF@domain.com	281523542
cus_VEDQXVVBDOV7ASR	EFdelRSTUVdelghjklMNQ	7570	94838182	delghjkl	DEF	EFA	del	l@domain.com	5592705933
cus_VWdVDTUdR6PRT3TL	ghjklMNOPQWV	7570	64422888	hijkMNOPQWVYZmnpghj	EF	UVdelg	RSTUVdel	delRSTUV@domain.com	695461642
cus_ZQ8N8787878787878	BCDE	9870	10388402	FdelRSTUVdelghj	Vdel	delRST	EFdelR	hij@domain.com	405620584
cus_VMFOEDQ28378N6L	BCDEF	9870	82330805	FdelRSTUVdel	lmNOPQ	klMNQ	delF	hij@domain.com	5390426178
cus_RTL378N8MAJ7D7	RSTUVdel	3443	75693050	FdelRSTUVdelghjkl	h	kl	ghjklM	NOP@domain.com	408724315
cus_Z8VVP78VJLVX0893	delRSTUVdel	809	86118806	BCDEFdelRSTUVdel	del	delRSTUV	del	RSTUVdel@domain.com	2145816140
cus_E8RPDCQV704F4965	MNOPQWVYZmnp	909	87944308	BCDEF	lmNOPQ	STUVdel	ghjklMN	STUVdelghj@domain.com	659714386
cus_Z8N8N8Q8RUVX80	NOPQWVYZmnpghjklMNQ	7865	82328870	C	klMN	delRST	delRS	UVdelghj@domain.com	494446940
cus_Z8N8N8Q8RUVX80	RSTUVdelghjkl	7865	56927951	TUVdelghjklMNOPQWV	EF	delF	h	UVdelghj@domain.com	555528633
cus_Z8PQNH422H8037	UVdelF	2287	80721848	VdelghjklMNOP	l	del	delR	STUVdel@domain.com	688577884
cus_W7004CHQ8HULJ3D	EFdelRSTUVdelghjklMN	5350	83828900	ghj	ghjk	hijkMN	CDEFdelRS	delghj@domain.com	3893335972
cus_ZY7ZL2WVJLVX422	delRSTUVdelghjkl	8524	40840111	del	kl	RS	CDEFdelR	R@domain.com	602520509
cus_ZTY7Q848XKXZ8V	TUVdelghjklMNOPQWVYZ	8524	70250555	ABCDEF	prSTUV	del	UVdelF	delghj@domain.com	6264841718
cus_KT7QJ089MNQ18X	UVdelghjklMNOPQWVYZmnpghj	8518	18243020	FdelRSTUVdelghjkl	TUVdelF	delR	DE	STU@domain.com	7758817158

-A bill listing charges by type of service.

```

SELECT *
FROM Service;

```


Showing rows 0 - 24 (1000 total, Query took 0.0004 seconds.)

Select * from Transactions;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

1 > >> Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

				Customer_ID	Service_ID	Package_ID	Amount	Time	Payment_Type	Account_No	Status
<input type="checkbox"/>	Edit	Copy	Delete	cus_00MDX47MJ33TVPOY	s_7XCZ8TFI	pkg_M1QKSHZGE8481F7N	8169	2018-08-20 18:41:21	UPI	435714975	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_02CKGAGSVX4GZ910	s_FSBAD2CS	pkg_VGOUCGESKJSYUSI2	4723	2018-02-20 18:15:58	Internet Banking	408409555	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_02VS2ERPX54BCTJW	s_CJN8N9GD	pkg_A5CIKFMN3RCEYDE	836	2018-12-13 13:00:05	Internet Banking	807393650	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_03HH4D8GDTBSIT4Z	s_UY8ABRDZ	pkg_C8FGQVSPNFQKQ7KJ	2173	2018-04-20 01:23:33	Internet Banking	992700338	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_04E0DE5TO2H0C7H6	s_1GB723JK	pkg_1RLLQKMN2IMLTD	4839	2018-12-28 13:09:56	Internet Banking	576310439	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_04E0DE5TO2H0C7H6	s_45NIGABF	pkg_VA08ZLVV07L8023L	3517	2018-04-12 08:36:14	Internet Banking	450843599	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_04E0DE5TO2H0C7H6	s_JDJ1G1D	pkg_QIH7M7NIWSHKMXWV	6280	2018-10-23 12:49:37	Credit Card	835769492	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_05A4JM2NTZJZ1KRB	s_NMYTTH0S	pkg_2JQ2IHG739P8117W	2153	2018-08-30 12:16:29	UPI	28489657	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_06KF8PEQIQZPHWJH	s_CE14P85Y	pkg_CO0CZx27Iw18YDMH	8114	2018-03-12 21:21:27	Credit Card	446019653	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_08F1LTPW3LQC95UC	s_V407L7XZ	pkg_FLOYHLQZ3B704MPD	3327	2018-08-13 13:46:37	Credit Card	546405292	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_09Q080AJXL06HIY	s_0WHQKRKR	pkg_LQUJ49JA4HJV7D1C	7570	2018-07-29 12:16:47	UPI	574745334	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0ALRVNVVL892OEP	s_L13VC18U	pkg_ZD0Y1QLWWF097VCV	4276	2018-11-14 13:27:05	Debit Card	414805481	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0AMYERS193S80KLN	s_ULSNGUWB	pkg_UC7738NFFFI9D1J0	7116	2018-11-04 22:27:25	UPI	964748719	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0AMYERS193S80KLN	s_XA65WFEL	pkg_OM3J4FSY8D0ROW80	225	2018-03-20 00:04:25	Internet Banking	485578925	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0BJ2OLEOJLPXX7U	s_JDJ1G1D	pkg_HHDN3C7AW19PCX4B	6280	2018-12-31 15:22:58	Debit Card	76127775	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0CJII6FVB974FDNR	s_BKNJX6NN	pkg_QIH7M7NIWSHKMXWV	9034	2018-11-09 02:53:46	Debit Card	393587514	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0D0EJAQRAIO7UBDY	s_NS3A92N1	pkg_OQZXC27HKZMSHDQ	4904	2018-05-02 14:58:01	Credit Card	932812470	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0GE38G9JRS9Z147	s_7QZ3EA5J	pkg_DIXXZWW05CV2IFMX	1184	2018-11-17 03:51:44	Debit Card	611822031	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0UKNZL5XZQS1XCP5	s_FLLC41HY	pkg_TDS1CQJ1XDDVEB0D	176	2018-10-11 16:07:46	UPI	547030739	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0PLBVHXXDELTI4RS	s_MC900BQ5	pkg_QQLZ8V90NW0PS5OH	7720	2018-06-22 18:36:53	Debit Card	458636169	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0RLAGRCVWF0GH1L	s_Y1NZ2D22	pkg_H4JK3OHXAQCJ0G0	8882	2018-08-01 11:30:41	Internet Banking	509586751	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0V44PBD1WKA771IS	s_55KJAVQ2	pkg_LFFGUB2Y05EEPXGM	9439	2018-04-10 07:53:39	Credit Card	82793599	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0V44PBD1WKA771IS	s_UKK42XXH	pkg_2OBUR9JX51HP1O6R	1851	2018-03-10 16:23:41	UPI	339398215	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0VIIUDN89NAEMQRZ	s_A33ROITK	pkg_WR091P8WGCGQZAD2	5802	2018-07-28 04:11:13	Debit Card	583544105	Successful
<input type="checkbox"/>	Edit	Copy	Delete	cus_0VIIUDN89NAEMQRZ	s_NQ408UOT	pkg_N3AVF0ALQFCV63L7	3314	2018-04-05 00:02:24	Internet Banking	639290473	Successful

Conclusion:

Through this project, I learned the ins and outs of database and connecting it with an application to put together a full database project. While it was extremely hard to learn it by myself, I am very proud of my self. I am confident that I can learn more in the future.