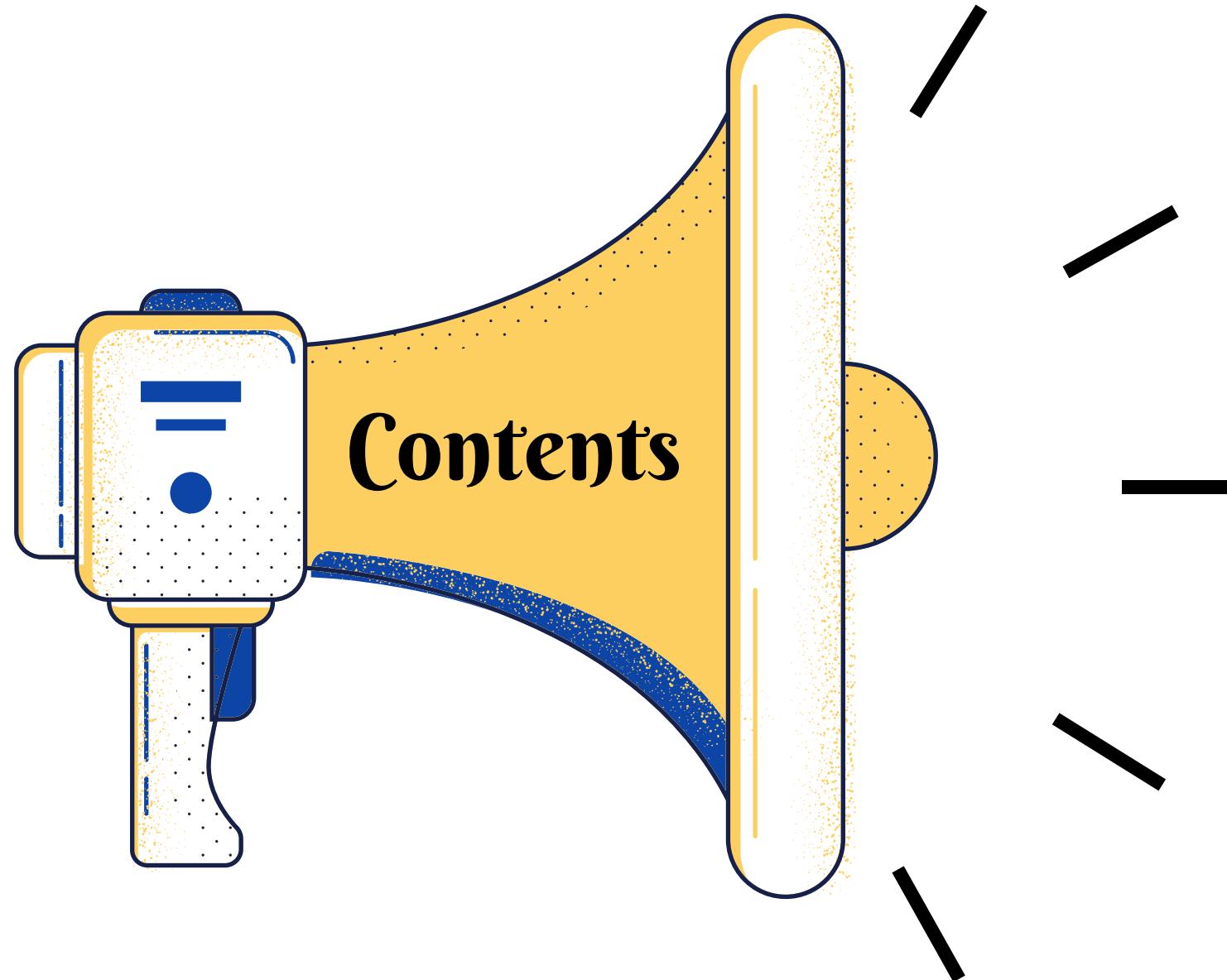


954340 ENTERPRISE DATABASE SYSTEM

# Business Banking





**ER-DIAGRAM**

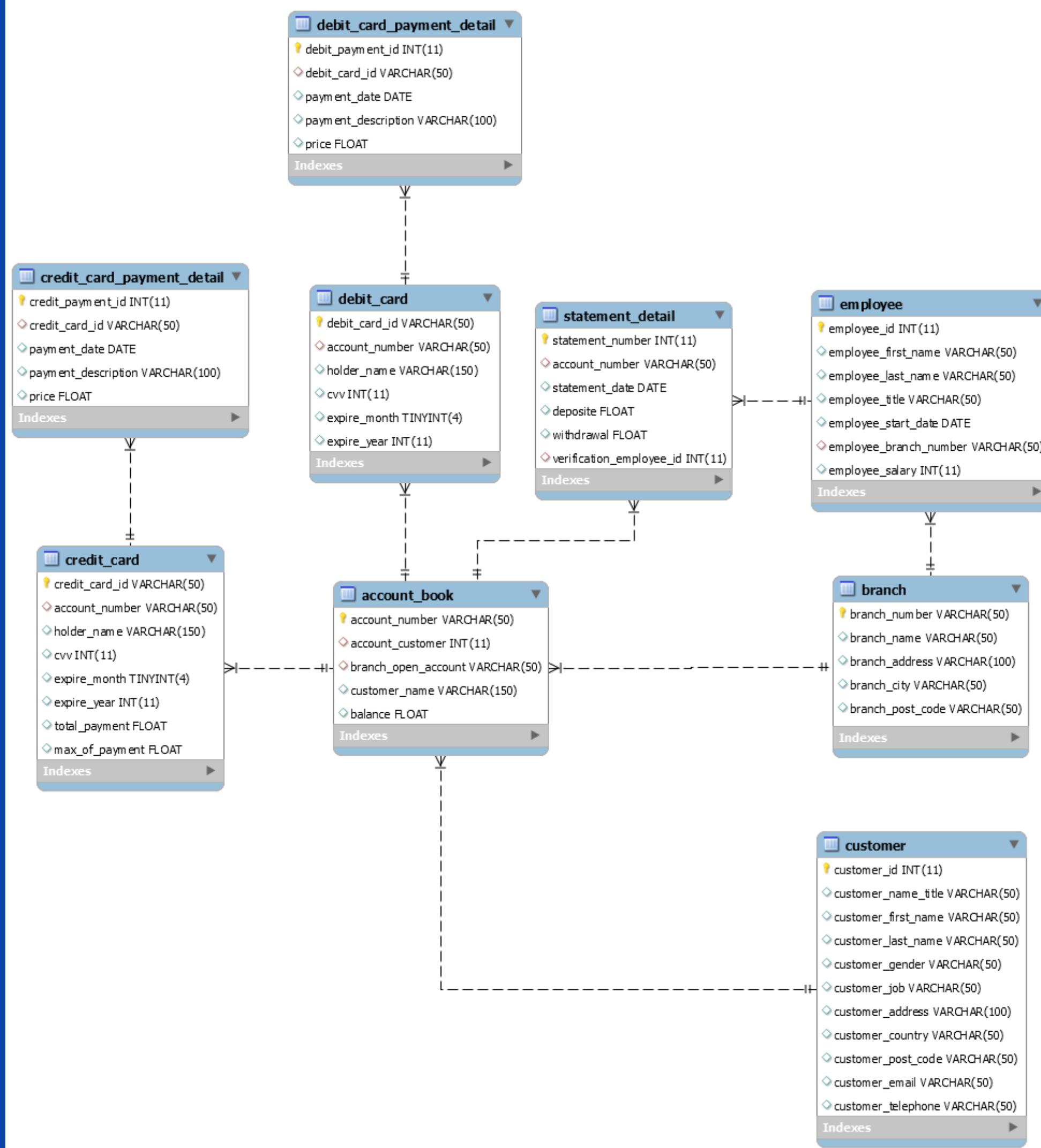
**OUR DATABASE**

MASTER DATA & TRANSACTION DATA

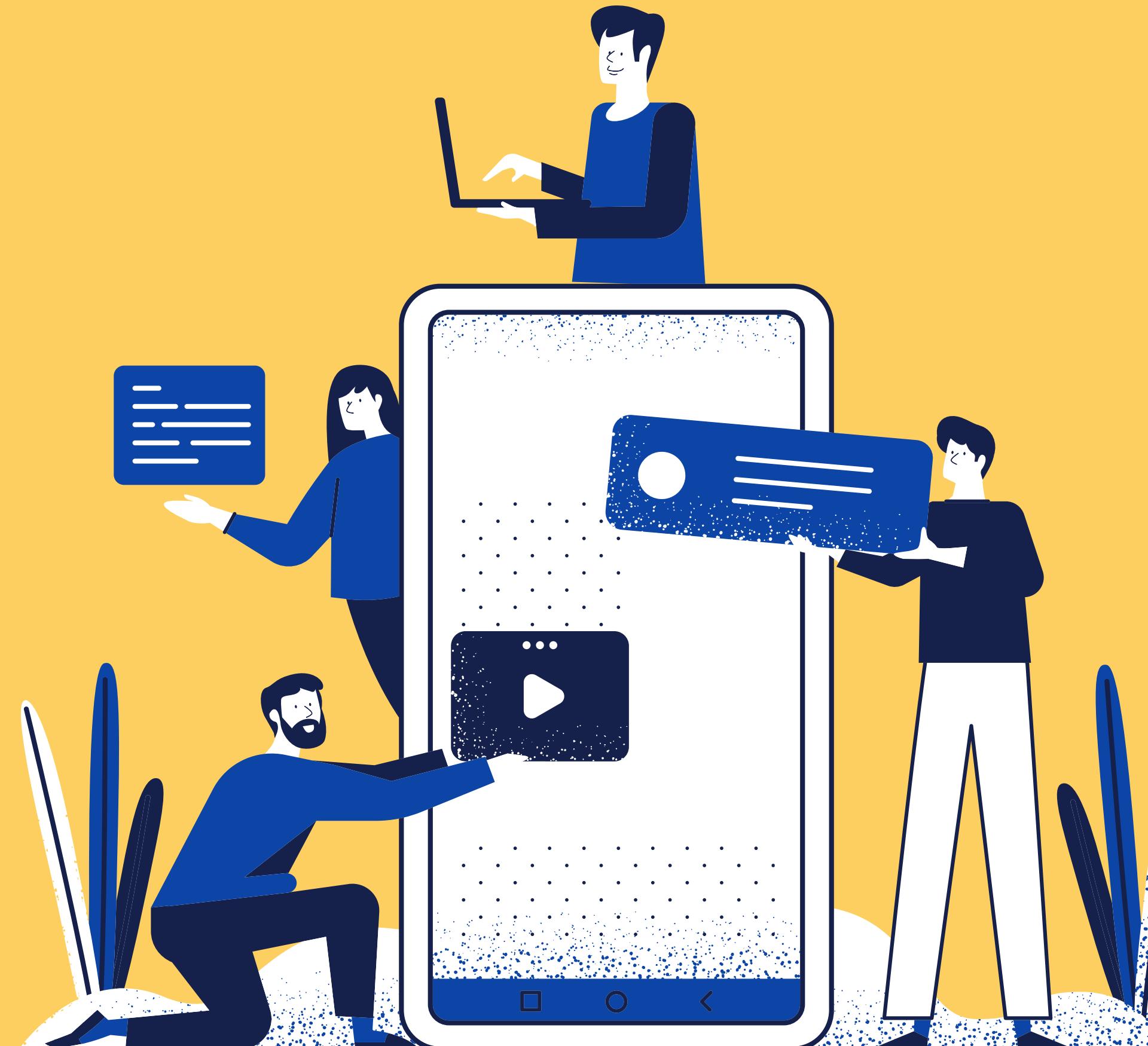
**SQL STATEMENT & CHART**



# 01 ER-Diagram



## 02 Our Database



# MASTER DATA

```
CREATE TABLE `branch` (
  `branch_number` varchar(50) NOT NULL,
  `branch_name` varchar(50) DEFAULT NULL,
  `branch_address` varchar(100) DEFAULT NULL,
  `branch_city` varchar(50) DEFAULT NULL,
  `branch_post_code` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`branch_number`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `employee` (
  `employee_id` int(11) NOT NULL AUTO_INCREMENT,
  `employee_first_name` varchar(50) DEFAULT NULL,
  `employee_last_name` varchar(50) DEFAULT NULL,
  `employee_title` varchar(50) DEFAULT NULL,
  `employee_start_date` date DEFAULT NULL,
  `employee_branch_number` varchar(50) DEFAULT NULL,
  `employee_salary` int(11) DEFAULT NULL,
  PRIMARY KEY (`employee_id`),
  KEY `employee_branch_number` (`employee_branch_number`),
  CONSTRAINT `employee_ibfk_1` FOREIGN KEY (`employee_branch_number`) REFERENCES `branch` (`branch_number`)
) ENGINE=InnoDB AUTO_INCREMENT=31 DEFAULT CHARSET=utf8;

CREATE TABLE `customer` (
  `customer_id` int(11) NOT NULL AUTO_INCREMENT,
  `customer_name_title` varchar(50) DEFAULT NULL,
  `customer_first_name` varchar(50) DEFAULT NULL,
  `customer_last_name` varchar(50) DEFAULT NULL,
  `customer_gender` varchar(50) DEFAULT NULL,
  `customer_job` varchar(50) DEFAULT NULL,
  `customer_address` varchar(100) DEFAULT NULL,
  `customer_country` varchar(50) DEFAULT NULL,
  `customer_post_code` varchar(50) DEFAULT NULL,
  `customer_email` varchar(50) DEFAULT NULL,
  `customer_telephone` varchar(50) DEFAULT NULL,
  PRIMARY KEY (`customer_id`)
) ENGINE=InnoDB AUTO_INCREMENT=31 DEFAULT CHARSET=utf8;
```

# TRANSACTION DATA

```
CREATE TABLE `account_book` (
  `account_number` varchar(50) NOT NULL,
  `account_customer` int(11) DEFAULT NULL,
  `branch_open_account` varchar(50) DEFAULT NULL,
  `customer_name` varchar(150) DEFAULT NULL,
  `balance` float DEFAULT NULL,
  PRIMARY KEY (`account_number`),
  KEY `account_customer` (`account_customer`),
  KEY `branch_open_account` (`branch_open_account`),
  CONSTRAINT `account_book_ibfk_1` FOREIGN KEY (`account_customer`) REFERENCES `customer` (`customer_id`),
  CONSTRAINT `account_book_ibfk_2` FOREIGN KEY (`branch_open_account`) REFERENCES `branch` (`branch_number`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `debit_card` (
  `debit_card_id` varchar(50) NOT NULL,
  `account_number` varchar(50) DEFAULT NULL,
  `holder_name` varchar(150) DEFAULT NULL,
  `cvv` int(11) DEFAULT NULL,
  `expire_month` tinyint(4) DEFAULT NULL,
  `expire_year` int(11) DEFAULT NULL,
  PRIMARY KEY (`debit_card_id`),
  KEY `account_number` (`account_number`),
  CONSTRAINT `debit_card_ibfk_1` FOREIGN KEY (`account_number`) REFERENCES `account_book` (`account_number`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `debit_card_payment_detail` (
  `debit_payment_id` int(11) NOT NULL AUTO_INCREMENT,
  `debit_card_id` varchar(50) DEFAULT NULL,
  `payment_date` date DEFAULT NULL,
  `payment_description` varchar(200) DEFAULT NULL,
  `price` float DEFAULT NULL,
  PRIMARY KEY (`debit_payment_id`),
  KEY `debit_card_id` (`debit_card_id`),
  CONSTRAINT `debit_card_payment_detail_ibfk_1` FOREIGN KEY (`debit_card_id`) REFERENCES `debit_card` (`debit_card_id`)
) ENGINE=InnoDB AUTO_INCREMENT=11 DEFAULT CHARSET=utf8;
```



```
CREATE TABLE `credit_card` (
  `credit_card_id` varchar(50) NOT NULL,
  `account_number` varchar(50) DEFAULT NULL,
  `holder_name` varchar(150) DEFAULT NULL,
  `cvv` int(11) DEFAULT NULL,
  `expire_month` tinyint(4) DEFAULT NULL,
  `expire_year` int(11) DEFAULT NULL,
  `total_payment` float DEFAULT NULL,
  `max_of_payment` float DEFAULT NULL,
  PRIMARY KEY (`credit_card_id`),
  KEY `account_number` (`account_number`),
  CONSTRAINT `credit_card_ibfk_1` FOREIGN KEY (`account_number`) REFERENCES `account_book` (`account_number`)
ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `credit_card_payment_detail` (
  `credit_payment_id` int(11) NOT NULL AUTO_INCREMENT,
  `credit_card_id` varchar(50) DEFAULT NULL,
  `payment_date` date DEFAULT NULL,
  `payment_description` varchar(200) DEFAULT NULL,
  `price` float DEFAULT NULL,
  PRIMARY KEY (`credit_payment_id`),
  KEY `credit_card_id` (`credit_card_id`),
  CONSTRAINT `credit_card_payment_detail_ibfk_1` FOREIGN KEY (`credit_card_id`) REFERENCES `credit_card` (`credit_card_id`)
ENGINE=InnoDB AUTO_INCREMENT=71 DEFAULT CHARSET=utf8;

CREATE TABLE `statement_detail` (
  `statement_number` int(11) NOT NULL AUTO_INCREMENT,
  `account_number` varchar(50) DEFAULT NULL,
  `statement_date` date DEFAULT NULL,
  `deposite` float DEFAULT NULL,
  `withdrawal` float DEFAULT NULL,
  `verification_employee_id` int(11) DEFAULT NULL,
  PRIMARY KEY (`statement_number`),
  KEY `account_number` (`account_number`),
  KEY `verification_employee_id` (`verification_employee_id`),
  CONSTRAINT `statement_detail_ibfk_1` FOREIGN KEY (`account_number`) REFERENCES `account_book` (`account_number`),
  CONSTRAINT `statement_detail_ibfk_2` FOREIGN KEY (`verification_employee_id`) REFERENCES `employee` (`employee_id`)
ENGINE=InnoDB AUTO_INCREMENT=31 DEFAULT CHARSET=utf8;
```

# BRANCH

branch_number	branch_name	branch_address	branch_city	branch_post_code
B01	phrommarat road bra	304 310 phrommarat	Ubon Ratchathani	34000
B02	suriyard road branch	251 18 suriyard Nai	Ubon Ratchathani	34000
B03	ubparat road branch	177, Ubparat, Road,	Ubon Ratchathani	34000
B04	chayangkun road bra	420 Chayangkun Rd,	Ubon Ratchathani	34000
B05	chayangkun road bra	130 Chayangkun Rd,	Ubon Ratchathani	34000
B06	chaeramae road bra	31 7 Chaeramae, An	Ubon Ratchathani	34000
B07	chaeramae road bra	Chaeramae, Mueang	Ubon Ratchathani	34000
B08	chayankun road brar	512/8 Chayangkun R	Ubon Ratchathani	34000
B09	chayankun road brar	325 31 Chayangkun	Ubon Ratchathani	34000
B10	suriyard road branch	251 18 Nai Mueang,	Ubon Ratchathani	34000
B11	dok khamtai road bra	65 moo 4 sub-district	Phayao	56120
B12	pong road branch	285/6 moo 1 soy 2 s	Phayao	56140
B13	pong road branch	40/4 moo 4 sub-distri	Phayao	56140
B14	mae chai road branc	69 moo 6 soy 9 sub-c	Phayao	56130
B15	mae chai road branc	123/4 moo 1 sub-dist	Phayao	56130
B16	phu kamyao road bra	42 moo 9 sub-district	Phayao	56000
B17	phu kamyao road bra	32/6 moo 5 soy 5 sut	Phayao	56000
B18	chun road branch	99/9 moo 9 soy 9 sut	Phayao	56150
B19	phu sang road branc	70/7 moo 1 sub-distri	Phayao	56110
B20	chiang muan road b	54 moo 4 sub-district	Phayao	56160
B21	Maesai road branch	301/12 moo 13	Chiangrai	57130
B22	Robvein road branch	195 moo 4	Chiangrai	57000
B23	Rim kok road branch	400/12	Chiangrai	57000
B24	Mae kom road branc	1211	Chiangrai	57000
B25	Tha sut road branch	427/2	Chiangrai	57100
B26	Mae jun road branch	112/5	Chiangrai	57110
B27	Mae jun road branch	250 moo 5	Chiangrai	57110
B28	Pa sang road branch	327/5 moo 7	Chiangrai	57110
B29	Mae rai road branch	271/10 moo 2	Chiangrai	57240
B30	Pong pha road bract	563 moo 4	Chiangrai	57130

B31	Udon Damri road bra	113 moo 7 sub-distri	Phitsanulok	65120
B32	Highway 1295 road t	615 moo 4 sub-distri	Phitsanulok	65190
B33	Santi Bantheing-Bar	8/8 moo 8 sub-district	Phitsanulok	65110
B34	Highway 1293 road t	14 moo 5 sub-district	Phitsanulok	65240
B35	Highway 1220 road t	56/6 moo 9 sub-district	Phitsanulok	65120
B36	Highway 1086 road t	13 moo 2 sub-district	Phitsanulok	65000
B37	South Bypass road b	222 moo 6 sub-district	Phitsanulok	65130
B38	Huay Kaew road bra	29 moo 4 sub-district	Phitsanulok	65110
B39	Singhawat road bran	9/99 moo 5 sub-district	Phitsanulok	65000
B40	Highway 1143 road t	79 moo 2 sub-district	Phitsanulok	65170

# CUSTOMER

customer_id	customer_name_title	customer_first_name	customer_last_name	customer_gender	customer_job	customer_address	customer_country	customer_post_code	customer_email	customer_telephone
1	Mr	john	wick	female	actor	65 moo 4 sub-district phayao		56120	ka_boooooom@gmail	871945284
2	Miss	jill	supervalentine	male	actor	285/6 moo 1 soy 2 sub phayao		56140	super_valentine@gr	861947563
3	Mr	phatut	otee	male	soldier	40/4 moo 4 sub-district phayao		56140	phatut_otee@hotmail	632854915
4	Mrs	big	pom	female	teacher	69 moo 6 soy 9 sub-district phayao		56130	pompom_sleep@hot	900999545
5	Mr	yamamoto	telk	male	engineering	123/4 moo 1 sub-district phayao		56130	godza_55@hotmail.	846299985
6	Mr	bugs	bunny	male	chef	42 moo 9 sub-district phayao		56000	bugs_bunny@gmail.	632145695
7	Mr	samsung	note	male	engineering	32/6 moo 5 soy 5 sub phayao		56000	note_9@hotmail.cor	806029423
8	Miss	suzuki	koharu	female	chef	99/9 moo 9 soy 9 sub phayao		56150	word_microsoft@hot	895959451
9	Mr	arthur	gssspotted	male	teacher	70/7 moo 1 sub-district phayao		56110	gg_wp@hotmail.com	994566590
10	Dr	kamekame	haaa	male	doctor	54 moo 4 sub-district phayao		56160	goku_saiya@gamil.c	945941139
11	Mr	Luffy	D.Monkey	male	Butcher	113 moo 7 sub-district Phitsanulok		65120	PortgasD.Ace@gmai	536749823
12	Mr	zoro	Roronoa	male	Guide	615 moo 4 sub-district Phitsanulok		65190	Roronoa.zoro@gmai	844827894
13	Mr	Chopper	Tony Tony	male	Doctor	8/8 moo 8 sub-district Phitsanulok		65110	Chopper.jun@hotmail	945679290
14	Miss	Robin	Nico	female	Archeologist	14 moo 5 sub-district Phitsanulok		65240	Robin.kun@gmail.cc	826727310
15	Mr	Rayleigh	Silvers	male	Teacher	56/6 moo 9 sub-district Phitsanulok		65120	Gold_Roger@gmail.	530841910
16	Mr	Newgate	Edward	male	Treasure hunter	13 moo 2 sub-district Phitsanulok		65000	Maruko_Phoenix@gi	844825607
17	Mrs	Rinrin	Sharotto	female	actor	222 moo 6 sub-district Phitsanulok		65130	Big_mom@gmail.co	644821774
18	Miss	Hancock	Boa	female	model	29 moo 4 sub-district Phitsanulok		65110	D_Luffy@gmail.com	899521923
19	Mr	Doflamingo	Donquixote	male	Weaver	9/99 moo 5 sub-district Phitsanulok		65000	joker.family@gmail.c	537219872
20	Mr	Law	Trafalgar	male	surgeon	79 moo 2 sub-district Phitsanulok		65170	Papo_heart@gmail.c	827219872
21	Miss	ruby	theo	female	barber	75/9 moo 2 sub-district phayao		56120	gooogle@gmail.com	888461475
22	Miss	nitro	five	female	nurse	85/4 moo 1 sub-district phayao		56140	html_php@gmail.co	995415846
23	Mr	kamen	rider	male	policeman	55 moo 1 sub-district phayao		56140	hen_shin@hotmail.c	66524789
24	Mr	mouse	macnus	male	teacher	96/2 moo 4 soy 1 sub phayao		56130	power_point@hotmail	913549528
25	Miss	minami	neko	female	nurse	55 moo 2 sub-district phayao		56130	god_dog@hotmail.c	638912254
26	Mr	tom	jerry	male	chef	77 moo 1 sub-district phayao		56000	the_one@gmail.com	99741558
27	Mr	acer	pro	male	engineering	26/9 moo 2 soy 4 sub phayao		56000	error_404@hotmail.c	809095461
28	Miss	yua	mikami	female	sport man	586/8 moo 1 soy 1 sub phayao		56150	excel_microsoft@ho	874652135
29	Dr	heart	rocker	male	sport man	7/7 moo 5 sub-district phayao		56110	game_filling@hotmail	946525528
30	Dr	christian	shop	male	doctor	64/8 moo 8 sub-district phayao		56160	playing_game@gam	803160520

# EMPLOYEE

employee_id	employee_first_name	employee_last_name	employee_title	employee_start_date	employee_branch_name	employee_salary
1	Wutthichai	Saehua	Manager	2020-04-01	B01	30000
2	Thitinun	Saehua	Officer	2020-04-01	B01	15000
3	Siriapha	Saehua	Officer	2020-04-01	B01	15000
4	Thanthiwa	Ponjakfa	Officer	2020-04-01	B01	15000
5	John	Cameron	Officer	2020-04-01	B01	15000
6	Edogawa	Conan	Manager	2020-04-02	B12	30000
7	Kudo	Shinichi	Officer	2020-04-02	B12	15000
8	Kurosagi	Ichigo	Officer	2020-04-02	B12	15000
9	Hondo	Esuke	Officer	2020-04-02	B12	15000
10	Mori	Kogoro	Officer	2020-04-02	B12	15000
11	Tony	Stark	Manager	2020-04-03	B23	30000
12	Stephen	Strange	Officer	2020-04-03	B23	15000
13	Wanda	Maximoff	Officer	2020-04-03	B23	15000
14	James	Rhodes	Officer	2020-04-03	B23	15000
15	Peter	Quill	Officer	2020-04-03	B23	15000
16	Steve	Rogers	Manager	2020-04-04	B34	30000
17	Bucky	Barnes	Officer	2020-04-04	B34	15000
18	Clint	Barton	Officer	2020-04-04	B34	15000
19	Natasha	Romanoff	Officer	2020-04-04	B35	15000
20	Sam	Wilson	Officer	2020-04-04	B34	15000
21	God	Thor	Manager	2020-04-05	B05	30000
22	Bruce	Banner	Officer	2020-04-05	B05	15000
23	Nick	Fury	Officer	2020-04-05	B05	15000
24	T	Challa	Officer	2020-04-05	B05	15000
25	Scott	Lang	Officer	2020-04-05	B05	15000
26	Peter	Parker	Manager	2020-04-06	B15	30000
27	Ryan	Reynolds	Officer	2020-04-06	B15	15000
28	Mister	Fantastic	Officer	2020-04-06	B15	15000
29	Captain	Marvel	Officer	2020-04-06	B15	15000
30	Titan	Thanos	Officer	2020-04-06	B15	15000

credit_payment_id	credit_card_id	payment_date	payment_description	price
1	C0002	2020-04-15	Direct payment debit	500
2	C0012	2020-04-15	Ticket movie	200
3	C0013	2020-04-15	Top-up	100
4	C0004	2020-04-15	Grab pay	1000
5	C0016	2020-04-15	Direct-pay-online-market	1500
6	C0010	2020-04-15	Food Panda pay	200
7	C0011	2020-04-15	Line man pay	200
8	C0014	2020-04-15	Amazon payment	1000
9	C0013	2020-04-15	Lazada payment	500
10	C0012	2020-04-15	Shopee payment	500
11	C0012	2020-04-16	Ais bill pay	350
12	C0012	2020-04-16	Ticket movie	250
13	C0013	2020-04-16	Top-up	100
14	C0014	2020-04-16	True Move H bill pay	1000
15	C0016	2020-04-16	Netflix subscription	420
16	C0012	2020-04-16	Top-up	500
17	C0012	2020-04-16	Ticket movie	250
18	C0013	2020-04-16	Grab pay	100
19	C0014	2020-04-16	Grab pay	1000
20	C0016	2020-04-16	Mk payment	1195
21	C0015	2020-04-17	YouTube subscription	99
22	C0017	2020-04-17	Joox subscription	69
23	C0017	2020-04-17	Apple music subscription	69
24	C0016	2020-04-17	Spotify subscription	99
25	C0014	2020-04-17	AppleTV subscription	199
26	C0018	2020-04-17	NBA membership sub	2500
27	C0018	2020-04-17	Nintendo online sub	299
28	C0017	2020-04-17	Just dance subscription	349
29	C0016	2020-04-17	Sayuri membership	8000
30	C0014	2020-04-17	Booking payment	2499
31	C0011	2020-04-18	Agoda	350

32	C0015	2020-04-18	Traveloga payment	250
33	C0011	2020-04-18	BananiT payment	5000
34	C0016	2020-04-18	SamsungTV subscription	1000
35	C0017	2020-04-18	Netflix subscription	420
36	C0018	2020-04-18	Top-up	500
37	C0019	2020-04-18	Ticket movie	250
38	C0020	2020-04-18	Facebook ads	100
39	C0013	2020-04-18	Grab pay	1000
40	C0014	2020-04-18	Mk payment	1195
41	C0005	2020-04-19	Thairath tv subscription	592
42	C0017	2020-04-19	Dtac bill pay	2000
43	C0004	2020-04-19	Thairath news subscription	450
44	C0013	2020-04-19	Shoppee payment	2550
45	C0013	2020-04-19	Work point tv Hd sub	570
46	C0018	2020-04-19	Line man pay	700
47	C0012	2020-04-19	AIS bill pay	1340
48	C0018	2020-04-19	Lazada payment	1090
49	C0011	2020-04-19	Youtube subscription	160
50	C0016	2020-04-20	Apple TV subscription	444
51	C0004	2020-04-20	NBA membership sub	830
52	C0011	2020-04-20	Yahoo ads	2450
53	C0019	2020-04-20	Amazon payment	660
54	C0009	2020-04-20	Spotify subscription	195
55	C0007	2020-04-20	Food panda pay	658
56	C0015	2020-04-20	Booking.com payment	1830
57	C0010	2020-04-20	Justdance subscription	890
58	C0013	2020-04-20	Vip card parking	150
59	C0011	2020-04-20	Traveloga payment	1800
60	C0011	2020-04-21	True move bill pay	2100
61	C0007	2020-04-21	Nintendo online sub	1250
62	C0014	2020-04-21	Ais play subscription	655

63	C0014	2020-04-21	Pornhub premium m	990
64	C0010	2020-04-21	Samsung Smart tv sub	1195
65	C0001	2020-04-21	I care Apple .inc sub	2110
66	C0014	2020-04-21	Zoom vip subscription	450
67	C0019	2020-04-21	Tweeter ads	3150
68	C0013	2020-04-21	Lg service care sub	1000
69	C0003	2020-04-21	Hentai tv.com sub	650
70	C0002	2020-04-21	Facebook ads	2300

credit\_card

# ***DEBIT\_PAYMENT***

debit_payment_id	debit_card_id	payment_date	payment_description	price
1	D0001	2020-04-14	Direct Payment Debi	500
2	D0002	2020-04-14	Ticket Movie	200
3	D0003	2020-04-14	Top-up	100
4	D0004	2020-04-14	Grab Pay	1000
5	D0006	2020-04-16	Direct-Pay-Online-Mi	1500
6	D0001	2020-04-16	Direct Payment Debi	500
7	D0002	2020-04-17	Ticket Movie	200
8	D0003	2020-04-17	Top-up	100
9	D0004	2020-04-20	Grab Pay	1000
10	D0006	2020-04-20	Direct-Pay-Online-Mi	1500

# STATEMENT\_DETAIL

statement_number	account_number	statement_date	deposite	withdrawal	verification_employee
1	11A0001	2020-04-15	0	5000	2
2	12A0001	2020-04-15	1000	0	3
3	13A0001	2020-04-15	0	1000	3
4	14A0001	2020-04-15	0	2000	2
5	15A0001	2020-04-15	1000	0	5
6	16A0001	2020-04-15	0	1500	4
7	17A0001	2020-04-15	0	500	4
8	18A0001	2020-04-15	0	5000	3
9	19A0001	2020-04-15	0	1000	2
10	20A0001	2020-04-15	0	1000	4
11	14A0004	2020-04-15	1000	0	2
12	14A0003	2020-04-15	500	0	3
13	14A0002	2020-04-15	0	1000	3
14	35A0001	2020-04-15	0	200	8
15	36A0001	2020-04-15	1000	0	9
16	37A0001	2020-04-15	0	150	7
17	38A0001	2020-04-15	0	500	10
18	39A0001	2020-04-15	0	5000	10
19	40A0001	2020-04-15	0	1000	7
20	31A0001	2020-04-15	0	100	8
21	33A0001	2020-04-16	10000	0	18
22	35A0001	2020-04-16	5000	0	17
23	32A0001	2020-04-16	0	100	16
24	36A0001	2020-04-16	0	200	18
25	40A0001	2020-04-16	10000	0	18
26	34A0001	2020-04-16	0	100	19
27	37A0001	2020-04-16	500	0	19
28	39A0001	2020-04-16	0	500	18
29	40A0001	2020-04-16	0	100	20
30	38A0001	2020-04-16	0	100	17

# **ACCOUNT\_BOOK**

account_number	account_customer	branch_open_account	customer_name	balance
11A0001		1 B11	Mr. John Wick	5000
11A0002		27 B11	Mr acer pro	5000
12A0001		2 B12	Miss Jill supervalent	5000
12A0002		29 B12	Dr heart rocker	5000
13A0001		3 B13	Mr. Phatut Otee	5000
13A0002		28 B13	Miss yua mikami	5000
14A0001		4 B14	Mrs. Big Pom	5000
14A0002		21 B14	Miss ruby theo	5000
14A0003		22 B14	Miss nitro five	5000
14A0004		30 B14	Dr christian shop	5000
15A0001		5 B15	Mr. Yamamoto Teiki	5000
16A0001		6 B16	Mr. Bugs Bunny	5000
16A0002		23 B16	Mr kamen rider	5000
17A0001		7 B17	Mr. Samsung Note	5000
17A0002		24 B17	Mr mouse macnus	5000
18A0001		8 B18	Miss Suzuki Koharu	5000
19A0001		9 B19	Mr. Aruthur Gsspotte	5000
19A0002		25 B19	Miss minami neko	5000
20A0001		10 B20	Dr. Kamekame Haaa	5000
20A0002		26 B20	Mr tom jemy	5000
31A0001		11 B31	Mr Luffy D.Monkey	5000
32A0001		12 B32	Mr zoro Roronoa	5000
33A0001		13 B33	Mr Chopper Tony To	5000
34A0001		14 B34	Miss Robin Nico	5000
35A0001		15 B35	Mr Rayleigh Silvers	5000
36A0001		16 B36	Mr Newgate Edward	5000
37A0001		17 B37	Mr Rinnin Sharotto	5000
38A0001		18 B38	Miss Hancock Boa	5000
39A0001		19 B39	Mr Doflamingo Dong	5000
40A0001		20 B40	Mr Law Trafalgar	5000

credit_card_id	account_number	holder_name	cvv	expire_month	expire_year	total_payment	max_of_payment
C0001	11A0001	John Wick	411	4	2024	0	100000
C0002	12A0001	Jill supervalentine	511	4	2024	0	100000
C0003	13A0001	Phatut Otee	601	4	2024	0	100000
C0004	14A0001	Big Pom	416	4	2024	0	100000
C0005	15A0001	Yamamoto Teiki	451	4	2024	0	100000
C0006	16A0001	Bugs Bunny	411	4	2024	0	100000
C0007	17A0001	Samsung Note	401	4	2024	0	100000
C0008	18A0001	Suzuki Koharu	400	4	2024	0	100000
C0009	19A0001	Aruthur Gsspolled	412	4	2024	0	100000
C0010	20A0001	Kamekame Haaa	411	4	2024	0	100000
C0011	31A0001	Luffy D.Monkey	411	4	2024	0	10000
C0012	32A0001	zoro Roronoa	416	4	2024	0	10000
C0013	33A0001	Chopper Tony Tony	416	4	2024	0	10000
C0014	34A0001	Robin Nico	416	4	2024	0	10000
C0015	35A0001	Rayleigh Silvers	401	4	2024	0	10000
C0016	36A0001	Newgate Edward	406	4	2024	0	10000
C0017	37A0001	Rinrin Sharotto	407	4	2024	0	10000
C0018	38A0001	Hancock Boa	406	4	2024	0	10000
C0019	39A0001	Doflamingo Donquix	410	4	2024	0	10000
C0020	40A0001	Law Trafalgar	415	4	2024	0	10000

# CREDIT & DEBIT CARD

head

Credit



Debit



debit_card_id	account_number	holder_name	cvv	expire_month	expire_year
D0001	11A0001	John Wick	411	4	2024
D0002	12A0001	Jill supervalentine	511	4	2024
D0003	13A0001	Phatut Otee	601	4	2024
D0004	14A0001	Big Pom	416	4	2024
D0005	15A0001	Yamamoto Teiki	451	4	2024
D0006	16A0001	Bugs Bunny	411	4	2024
D0007	17A0001	Samsung Note	401	4	2024
D0008	18A0001	Suzuki Koharu	400	4	2024
D0009	19A0001	Aruthur Gsspolled	412	4	2024
D0010	20A0001	Kamekame Haaa	411	4	2024
D0011	14A0002	Ruby Theo	534	4	2024
D0012	14A0003	Nitro Five	335	4	2024
D0013	16A0002	Kamen Rider	664	4	2024
D0014	17A0002	Mouse Macnus	111	4	2024
D0015	19A0002	Minami Neko	955	4	2024
D0016	20A0002	Tom Jerry	504	4	2024
D0017	11A0002	Acer Pro	777	4	2024
D0018	13A0002	Yua Mikami	656	4	2024
D0019	12A0002	Heart Rocker	555	4	2024
D0020	14A0004	Christian Shop	333	4	2024

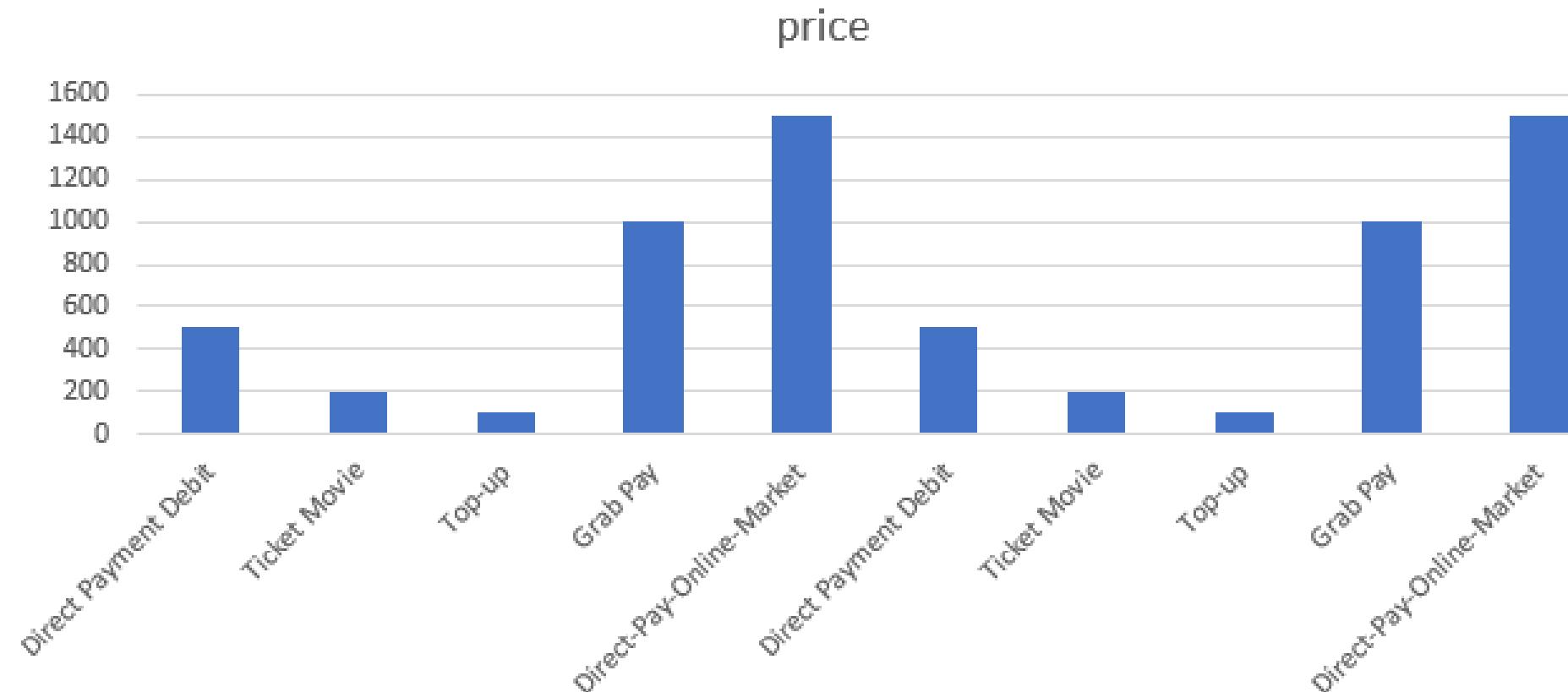


## 03 SQL Statement & Chart

debit_pay	debit_card	payment_date	payment_price
1	D0001	4/14/2020	Direct Pay
2	D0002	4/14/2020	Ticket Movie
3	D0003	4/14/2020	Top-up
4	D0004	4/14/2020	Grab Pay
5	D0006	4/16/2020	Direct-Pay
6	D0001	4/16/2020	Direct Pay
7	D0002	4/17/2020	Ticket Movie
8	D0003	4/17/2020	Top-up
9	D0004	4/20/2020	Grab Pay
10	D0006	4/20/2020	Direct-Pay

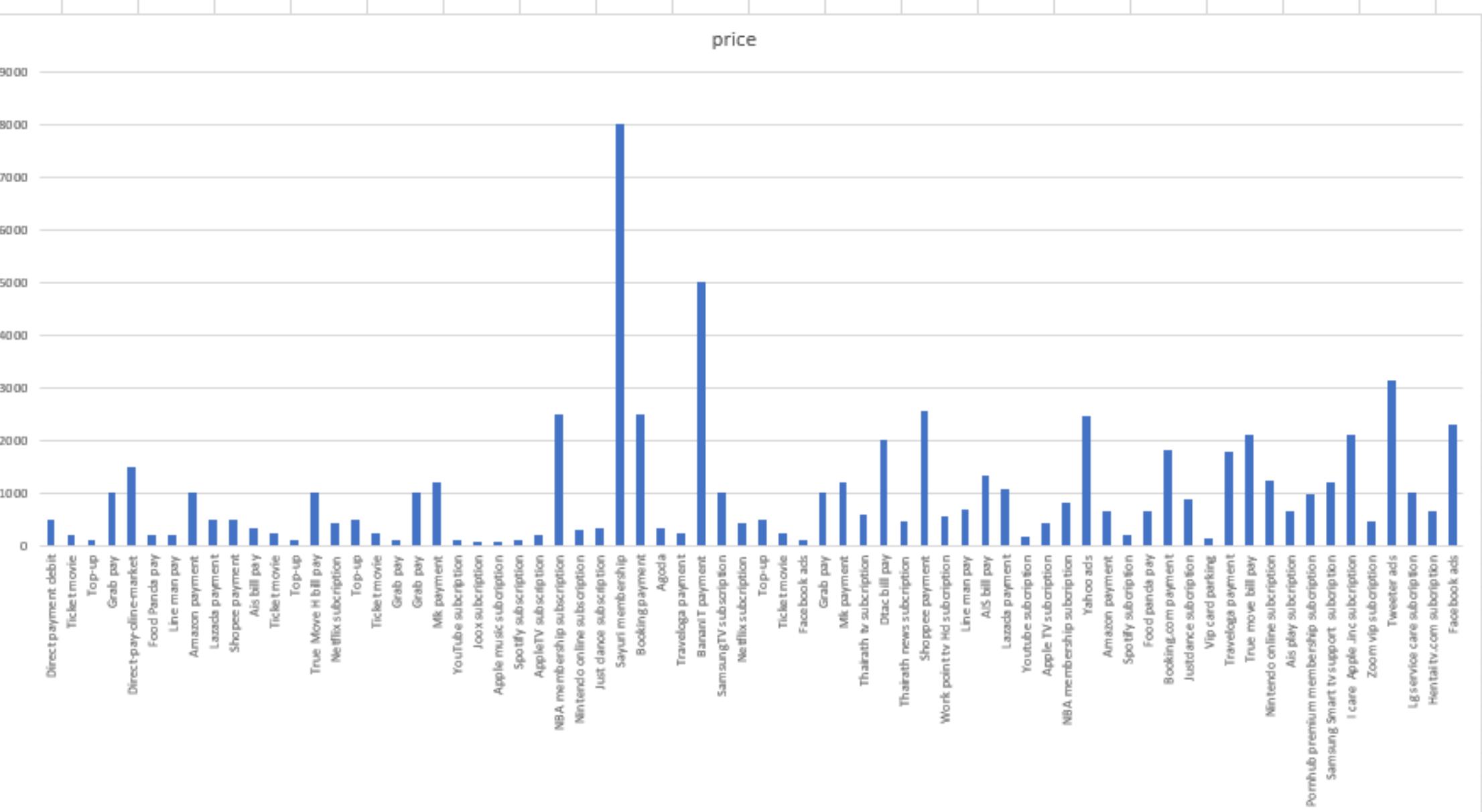
```

SELECT payment_date AS date,
       payment_description,
       price
FROM debit_card_payment_detail;
    
```



**ANS:** This chart can explain what is people usually payment with credit and how much they have to pay that resources can help to make new debit card for sale with promotion if we know about usually they pay.

	credit_pa	credit_oc	payment_date	payment	price
1	C0002		4/15/2020	Direct pa	500
2	C0012		4/15/2020	Ticket mc	200
3	C0013		4/15/2020	Top-up	100
4	C0004		4/15/2020	Grab pay	1000
5	C0016		4/15/2020	Direct pa	1500
6	C0010		4/15/2020	Food Pan	200
7	C0011		4/15/2020	Line man	200
8	C0014		4/15/2020	Amazon i	1000
9	C0013		4/15/2020	Lazada p	500
10	C0012		4/15/2020	Shopee p	500
11	C0012		4/16/2020	Ais bill pa	350
12	C0012		4/16/2020	Ticket mc	250
13	C0013		4/16/2020	Top-up	100
14	C0014		4/16/2020	True Mov	1000
15	C0016		4/16/2020	Netflix su	420
16	C0012		4/16/2020	Top-up	500
17	C0012		4/16/2020	Ticket mc	250
18	C0013		4/16/2020	Grab pay	100
19	C0014		4/16/2020	Grab pay	1000
20	C0016		4/16/2020	Mk paym	1195
21	C0015		4/17/2020	YouTube	99
22	C0017		4/17/2020	Joox sub	69
23	C0017		4/17/2020	Apple mu	69
24	C0016		4/17/2020	Spotify su	99
25	C0014		4/17/2020	AppleTV	199
26	C0018		4/17/2020	NBA mem	2500
27	C0018		4/17/2020	Nintendo	299
28	C0017		4/17/2020	Just dance	349
29	C0016		4/17/2020	Sayuri me	8000
30	C0014		4/17/2020	Booking i	2499
31	C0011		4/18/2020	Agoda	350
32	C0015		4/18/2020	Travelog.	250
33	C0011		4/18/2020	BananIT	5000
34	C0016		4/18/2020	Samsung	1000
35	C0017		4/18/2020	Netflix su	420
36	C0018		4/18/2020	Top-up	500
37	C0019		4/18/2020	Ticket mc	250
38	C0020		4/18/2020	Faceboo	100
39	C0013		4/18/2020	Grab pay	1000
40	C0014		4/18/2020	Mk paym	1195
41	C0005		4/19/2020	Thairath i	592
42	C0017		4/19/2020	Dtac bill p	2000
43	C0004		4/19/2020	Thairath i	450
44	C0013		4/19/2020	Shoppee	2550
45	C0013		4/19/2020	Work poin	570
46	C0018		4/19/2020	Line man	700
47	C0012		4/19/2020	AIS bill pa	1340
48	C0018		4/19/2020	Lazada p	1090
49	C0011		4/19/2020	Youtube	160
50	C0016		4/20/2020	Apple TV	444
51	C0004		4/20/2020	NBA mem	830
52	C0011		4/20/2020	Yahoo ac	2450



**ANS:** this chart can explain the most of people pay with credit card and how much they spend that resources we can collect data to open new credit card for support promotion to customer who's have credit card or new user.

```
SELECT payment_date AS date,
       payment_description,
       price
FROM credit_card_payment_detail;
```

# THANK YOU

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<b>612110122</b>	Jutamas Kruakham
<b>612110170</b>	Phachara Wuttisetpaiboon
<b>612110197</b>	Wutthichai saehua
<b>612110224</b>	Krissanapot Intorn