

Team 6

Final Table Creation and Data Insertion

```
/******User_info*****/
```

```
CREATE TABLE USER_INFO (  
  USER_ID INT NOT NULL,  
  Phone VARCHAR(20) NOT NULL,  
  EmailAddress varchar(50) NOT NULL,  
  Address varchar(50) NULL,  
  Mailing_Address varchar(50) NOT NULL,  
  SSN_NUM INT NOT NULL,  
  Marital_Status varchar(50) NOT NULL,  
  CONSTRAINT User_InfoPK PRIMARY KEY(USER_ID),  
  CONSTRAINT User_InfoAK1 UNIQUE(Phone),  
  CONSTRAINT User_InfoAK2 UNIQUE(SSN_NUM)  
);
```

```
INSERT INTO USER_INFO VALUES(  
14622911, 6175841298, 'jasonbooze@gmail.com', '89 Ocean View Dr.', '547 Balling St. Apt 50',  
79862415, 'Married');
```

```
INSERT INTO USER_INFO VALUES(  
28274103, 5142869588, 'chriswang@umb.edu', '680 Washington St.', '680 Washington St.', 555784125,  
'Single');
```

```
INSERT INTO USER_INFO VALUES(  
18148266, 6179541001, 'randyorton@gmail.com', '133 Post Ave Apt 32', "110 Post Ave", 125499634,  
'Single');
```

```
INSERT INTO USER_INFO VALUES(  

```

```
16605577, 6789397491, 'michellewu@gmail.com', '200 Merrimack St #4TH', '200 Merrimack St #4TH',  
514789241, 'Married');
```

```
INSERT INTO USER_INFO VALUES(
```

```
9488854, 7023955708, 'tiphlairxz@hotmail.com', '864 Hixville Rd North Dartmouth', '864 Hixville Rd  
North Dartmouth', 155789418, 'Single');
```

```
INSERT INTO USER_INFO VALUES(
```

```
47425455, 7742020953, 'sdad3wi@gmail.com', '725 Pleasant St #APT 505', '63 Crapo St, New Bedford',  
548123698, 'Married');
```

```
INSERT INTO USER_INFO VALUES(
```

```
26243836, 8473561978, 'fancyfan@gmail.com', '10 Brighton Rd, Naugatuck', '10 Brighton Rd,  
Naugatuck', 763003124, 'Married');
```

```
INSERT INTO USER_INFO VALUES(
```

```
45676030, 7178563598, 'duke001abm@gmail.com', '409 K Ave, Kure Beach', '409 K Ave, Kure Beach',  
155588727, 'Divorce');
```

```
INSERT INTO USER_INFO VALUES(
```

```
22685918, 27015689842, 'masonkahalifa@gmail.com', 'Sonora Hrdn R Spg', 'Sonora Hrdn R Spg',  
747881806, 'Single');
```

```
INSERT INTO USER_INFO VALUES(
```

```
89856455, 6178881599, 'rogerblake@gmail.com', '125 Campus View Dr.', '125 Campus View Dr.',  
558146789, 'Married');
```

```
/****** USER_REGISTER TABLE *****/
```

```
CREATE TABLE USER_REGISTER (
```

```
USER_ID INT NOT NULL,
```

```
ROLE_ID INT NOT NULL,
```

```
GROUP_ID INT NOT NULL,
```

```
LOGIN_ID INT NOT NULL,
```

```
ACCESS_ID INT NOT NULL,
```

```
USER_NAME varchar(20) NOT NULL,
```

```
USER_PASSWORD varchar(20) NOT NULL,
```

```
CONSTRAINT USER_REGISTERPK PRIMARY KEY(USER_ID, ROLE_ID, GROUP_ID, LOGIN_ID, ACCESS_ID),
CONSTRAINT USER_REGISTERAK1 UNIQUE(USER_NAME)
);
```

```
INSERT INTO USER_REGISTER VALUES(
14622911, 33844249, 820, 45584728, 22356179, 'James102', 'Awefrefv10%');
```

```
INSERT INTO USER_REGISTER VALUES(
28274103, 39510698, 949, 39883121, 36692710, 'Charlie03', 'EQdscsd20#');
```

```
INSERT INTO USER_REGISTER VALUES(
18148266, 44401049, 827, 43697894, 22567890, 'Philip142', 'dcwcEC30#');
```

```
INSERT INTO USER_REGISTER VALUES(
16605577, 92556505, 345, 6467588, 22443781, 'Nicol20', 'wwecNT13$');
```

```
INSERT INTO USER_REGISTER VALUES(
9488854, 96079256, 787, 37487272, 10012358, 'Anna101', 'ckcjLL910!');
```

```
INSERT INTO USER_REGISTER VALUES(
47425455, 63022695, 820, 12856613, 20001589, 'Louis09', 'fwdcEFE11@');
```

```
INSERT INTO USER_REGISTER VALUES(
26243836, 89927720, 244, 15765940, 22554762, 'jack11', 'efierfWW14#');
```

```
INSERT INTO USER_REGISTER VALUES(
45676030, 60710048, 345, 28401011, 33218657, 'ray40', '2rrjrEE4%');
```

```
INSERT INTO USER_REGISTER VALUES(
22685918, 13425564, 588, 21912895, 44756190, 'ben95', '4irijjvQQ3@');
```

```
INSERT INTO USER_REGISTER VALUES(
12577884, 88187201, 451, 54789545, 78566512, 'Randy1022', 'pony123!');
```

```
/******Role******/
```

```
CREATE TABLE ROLE (
```

```
ROLE_ID INT NOT NULL,  
ROLE_DESCRIPTION VARCHAR(50) NOT NULL,  
ROLE_STATUS INT NOT NULL,  
CONSTRAINT ROLEPK PRIMARY KEY(ROLE_ID)  
);
```

```
INSERT INTO ROLE VALUES(  
44401049, "Sub", 0);
```

```
INSERT INTO ROLE VALUES(  
92556505, "Primary", 1);
```

```
INSERT INTO ROLE VALUES(  
96079256, "Primary", 1);
```

```
INSERT INTO ROLE VALUES(  
63022695, "Primary", 1);
```

```
INSERT INTO ROLE VALUES(  
89927720, "Sub", 0);
```

```
INSERT INTO ROLE VALUES(  
60710048, "Primary", 1);
```

```
INSERT INTO ROLE VALUES(  
13425564, "Sub", 0);
```

```
INSERT INTO ROLE VALUES(  
88187201, 'Primary', 1);
```

```
/***** HouseHold *****/
```

```
create table HOUSEHOLD(  
Groups_ID INT Not Null,  
USER_ID INT Not Null,  
CONSTRAINT GroupPK Primary key (Groups_ID),
```

Constraint UserFK Foreign key (USER_ID)

References user_info(USER_ID)

);

Insert into HOUSEHOLD values (821,14622911);

Insert into HOUSEHOLD values (949,28274103);

Insert into HOUSEHOLD values (827,18148266);

Insert into HOUSEHOLD values (345,16605577);

Insert into HOUSEHOLD values (787,9488854);

Insert into HOUSEHOLD values (820,47425455);

Insert into HOUSEHOLD values (244,26243836);

Insert into HOUSEHOLD values(347,45676030);

Insert into HOUSEHOLD values (588,22685918);

Insert into HOUSEHOLD values (451, 89856455);

/****** Access******/

create table ACCESS(

Access_ID INT Not Null,

USER_ID INT Not Null,

Privilege varchar(6) not null,

Restrict_user varchar(6) not null,

Register_user boolean,

CONSTRAINT AccessPK Primary Key (Access_ID),

Constraint AccessFK Foreign key (User_ID)

References user_info(USER_ID)

);

Insert into ACCESS values (22356179,14622911,'YES', 'NO',1);

Insert into ACCESS values (36692710,28274103,'NO', 'YES',1);

```

Insert into ACCESS values (22567890,18148266,'NO', 'YES',1);
Insert into ACCESS values (22443781,16605577,'YES', 'NO',0);
Insert into ACCESS values (10012358,9488854,'YES', 'NO',0);
Insert into ACCESS values(20001589,47425455,'YES', 'NO',1);
Insert into ACCESS values (22554762,26243836,'YES', 'NO',0);
Insert into ACCESS values (33218657,45676030,'NO', 'YES',0);
Insert into ACCESS values (44756190,22685918,'NO', 'YES',1);
Insert into ACCESS values (78566512, 89856455,'NO', 'YES',1);

```

```

/***** Daily_balance *****/
create table DAILY_BALANCE(
AccountID INT not null,
Account_Number INT not null,
Account_balance decimal (60,4) not null,
Transaction_type varchar(1000) not null,
Activity_time TIMESTAMP Not null DEFAULT CURRENT_TIMESTAMP on Update current_timestamp,
CONSTRAINT Accountaf Primary Key (Account_Number,Activity_time)

);

```

```

Insert into DAILY_BALANCE VALUES (44015814,342384248,250,'internet bill','2021-11-24 16:24');
INSERT INTO DAILY_BALANCE VALUES (29511421,786787565, 600, 'utility,bill','2021-11-12 16:36');
INSERT INTO DAILY_BALANCE VALUES (43254686,      678676763, 425.16,'cleaner','2021-11-03 5:00');
INSERT INTO DAILY_BALANCE VALUES (47573139,      564365935,      782,'food','2021-11-23
12:00:00 ');
INSERT INTO DAILY_BALANCE VALUES (5576172,      906976069,      1000,'Rent','2021-11-6
18:30:00');
INSERT INTO DAILY_BALANCE VALUES (25339740,      694568454, 32,'gas money','2021-10-23
18:30:23');

```

```
INSERT INTO DAILY_BALANCE VALUES (37291461,      808906761,    652.13, 'rent','2021-09-04
22:00:01');
```

```
INSERT INTO DAILY_BALANCE VALUES (39420351,      569645356, 1150.26, 'bills','2021-08-10
20:32:23');
```

```
INSERT INTO DAILY_BALANCE VALUES (17518752,      240494053, 3000.25, ' other expenses','2021-07-
05 18:32:25');
```

```
INSERT INTO DAILY_BALANCE VALUES (15988487, 785665120, 210, 'food', '2021-08-05 20:52:15');
```

```
/***** Account *****/
```

```
CREATE TABLE Account(
    USER_ID int NOT NULL,
    AccountID int NOT NULL ,
    BankName char(15) NOT NULL,
    Account_Number int NOT NULL,
    Acc_Balance decimal(8,2) NOT NULL,
    Acc_Type char(25) NOT NULL,
    Acc_permission Boolean,
    TimeStamp Date,
    constraint AccountPK PRIMARY KEY(AccountID),
    UNIQUE KEY (BankName,Account_Number),
    Constraint AccountFK Foreign key (USER_ID)
    References User_info (USER_ID)
);
```

```
Insert into ACCOUNT values(14622911, 44015814,'Bank_of_America', 342384248,
104.87,'Saving_acc',1,'2005-09-12');
```

```
Insert into ACCOUNT values(28274103, 29511421,'Bank_of_America',
786787565,5494.54,'Checking_acc',1,'2011-09-14');
```

```
Insert into ACCOUNT values(18148266,
43254686,'Bank_of_America',678676763,5609.12,'Saving_acc',0,'2008-07-16');
```

Insert into ACCOUNT values(16605577,
47573139,'Citi_Bank',564365935,70096.85,'Checking_acc',0,'2012-04-22');

Insert into ACCOUNT values(9488854, 55761728,'Citi_Bank',906976069,6960.1,'Saving_acc',1,'2007-08-23');

Insert into ACCOUNT values(47425455, 25339740,'Santander',694568454,696.5,'Saving_acc',0,'2018-11-25');

Insert into ACCOUNT values(26243836, 37291461,'Chase',808906761,797.23,'Checking_acc',1,'2019-01-05');

Insert into ACCOUNT values(45676030, 39420351,'Chase', 569645356,7969.4,'Checking_acc',0,'2021-06-02');

Insert into ACCOUNT values(22685918, 1751852, 'Chase', 240494053, 9198.15, 'Checking_acc', 0, '2021-02-05');

Insert into ACCOUNT values(89856455, 15988487, 'Santander', 785665120, 5180.2, 'Saving_acc', 1,'2021-08-05');

/****** Transactions *****/

CREATE TABLE TRANSACTIONS (

TransactionID Varchar(50) NOT NULL,

AccountID int NOT NULL,

Account_Number Varchar(50) NOT NULL,

Transaction_Type Char(15) NOT NULL,

Base_type Char(20) NOT NULL,

Category Char(25) NOT NULL,

Amount Varchar(50) NOT NULL,

Settlement_Status Char(15) NOT NULL,

TimeStamp Varchar(50) NOT NULL,

CONSTRAINT TransPK PRIMARY KEY(TransactionID),

CONSTRAINT TransFK FOREIGN KEY (AccountID)

REFERENCES account(AccountID)

);

INSERT INTO TRANSACTIONS VALUES ('48EF4798-6CE7-6E2C-3273-8FB42F83DE', 44015814, '342384248', 'Purchase', 'Credit Card', 'Personal', '\$674', 'Pending', '03:34');

INSERT INTO TRANSACTIONS VALUES ('7586CB18-70A9-BBE5-OCAA-83965789D7', 29511421, '786787565', 'Purchase', 'Credit Card', 'Personal', '\$793', 'Pending', '06:27');

INSERT INTO TRANSACTIONS VALUES ('1E624CC7-34F3-1695-67B9-71E0DD868A', 43254686, '678676763', 'Purchase', 'Credit Card', 'Business', '\$77', 'Pending', '08:47');

INSERT INTO TRANSACTIONS VALUES ('C7520AE9-3402-4E90-30DC-171F0E5B0F', 47573139, '564365935', 'Transfer', 'Debit Card', 'Business', '\$4839', 'Setteled', '12:20');

INSERT INTO TRANSACTIONS VALUES ('F0BA94B1-0739-3FE2-OCB4-9852BB54E3', 55761728, '906976069', 'Deposit', 'Debit Card', 'Personal', '\$799', 'Setteled', '14:49');

INSERT INTO TRANSACTIONS VALUES ('F0BA94B1-0739-3FE2-OCB4-9852BB54E4', 25339740, '694568454', 'Deposit', 'Debit Card', 'Business', '\$599.99', 'Setteled', '16:50');

INSERT INTO TRANSACTIONS VALUES ('D06ABAF1-3F08-9DAA-19C2-FAAFDE1796', 37291461, '808906761', 'Purchase', 'Credit Card', 'Business', '\$16.99', 'Setteled', '13:29');

INSERT INTO TRANSACTIONS VALUES ('325ADC87-43EC-BF8E-3DA5-4308D2DF6A', 39420351, '569645356', 'Transfer', 'Debit Card', 'Personal', '\$33.99', 'Setteled', '17:21');

INSERT INTO TRANSACTIONS VALUES ('EFA02E2C-0A5D-8311-B596-F0F659A57FA', 1751852, '240494053', 'Deposit', 'Debit Card', 'Personal', '\$7343', 'Setteled', '20:20');

INSERT INTO TRANSACTIONS VALUES ('EE6BBC28-1E3F-B8D8-C4B8-5898932EFD', 15988487, '785665120', 'Deposit', 'Debit Card', 'Personal', '\$2527.99', 'Setteled', '10:10');

SELECT * FROM USER_INFO;

SELECT * FROM USER_INFO;							
SELECT * FROM USER_REGISTER;							
SELECT * FROM ROLE;							
100% 25:234							
Result Grid Filter Rows: Search Edit: Export/Import:							
USER_ID	Phone	EmailAddress	Address	Mailing_Address	SSN_NUM	Marital_Stat...	
9488854	7023955708	tiphlaixz@hotmail.com	864 Hixville Rd North Dartmouth	864 Hixville Rd North Dartmouth	155789418	Single	
14622911	6175841298	jasonboozo@gmail.com	89 Ocean View Dr.	547 Bailing St. Apt 50	79862415	Married	
16605577	6789397491	micellewu@gmail.com	200 Merrimack St #4TH	200 Merrimack St #4TH	514789241	Married	
18148266	6179541001	randyorton@gmail.com	133 Post Ave Apt 32	110 Post Ave	125499634	Single	
22685918	27015689842	masonkahalifa@gmail.com	Sonora Hrdn R Spg	Sonora Hrdn R Spg	747881806	Single	
26243836	8473581978	lancylan@gmail.com	10 Brighton Rd. Naugatuck	10 Brighton Rd. Naugatuck	763003124	Married	
28274103	5142669588	chriswang@umb.edu	680 Washington St.	680 Washington St.	553784129	Single	
45676030	7178663998	duke01rubi@gmail.com	409 K Ave. Kure Beach	409 K Ave. Kure Beach	155588727	Divorce	
47425455	7742020953	sdad3wi@gmail.com	725 Pleasant St #APT 505	83 Crapo St. New Bedford	548123698	Married	
89856455	6178881599	rogerblake@gmail.com	129 Campus View Dr.	129 Campus View Dr.	558146789	Married	
HULL	HULL	HULL	HULL	HULL	HULL	HULL	

SELECT * FROM USER_REGISTER;

236 SELECT * FROM USER_REGISTER;							
237							
100% 29:236							
Result Grid Filter Rows: Search Edit: Export/Import:							
USER_ID	ROLE_ID	GROUP_ID	LOGIN_ID	ACCESS_ID	USER_NAME	USER_PASSWORD	
9488854	96079256	787	37487272	10012358	Anna101	ckqjLL910!	
12577884	88187201	451	54789545	78566512	Randy1022	pony123!	
14622911	33844289	820	45894728	22356179	James102	Awelrn10%	
16605577	92566505	345	6487588	22443781	Nico120	wwwN113%	
18148266	44401049	827	43897894	22587890	Philip142	dcwcEC30!	
22685918	13425564	588	21912895	44756190	ben95	4lrjivvQO3@	
26243836	89927720	244	15765940	22554762	jack11	elientWW14#	
28274103	39510688	949	39883121	36692710	Charlie03	EOdscsd20#	
45676030	60710048	345	28401011	33218657	ray40	2rjrEE4%	
47425455	63022695	820	12856613	20001589	Louis09	fwdcEFE11@	
HULL	HULL	HULL	HULL	HULL	HULL	HULL	

SELECT * FROM ROLE;

237		
238 SELECT * FROM ROLE;		
239		
100% 20:238		
Result Grid Filter Rows: Search Edit: Export/Import:		
ROLE_ID	ROLE_DESCRIPTION	ROLE_STATUS
13425564	Sub	0
44401049	Sub	0
60710048	Primary	1
63022695	Primary	1
88187201	Primary	1
89927720	Sub	0
92556505	Primary	1
96079256	Primary	1
HULL	HULL	HULL

SELECT * FROM HOUSEHOLD;

240 • SELECT * FROM HOUSEHOLD;

241

100% 25:240

Result Grid Filter Rows: Search Edit: Export/Import:

Groups_ID	USER_ID
787	9488854
821	14622911
345	18605577
827	18148266
588	22685918
244	26243836
949	28274103
947	45676030
620	47425455
451	89856455
NULL	NULL

Result Grid Form Editor Field Types Query Stats

SELECT * FROM ACCESS;

242 • SELECT * FROM ACCESS;

243

100% 22:242

Result Grid Filter Rows: Search Edit: Export/Import:

Access_ID	USER_ID	Privilege	Restrict_user	Register_user
10012358	9488854	YES	NO	0
20001589	47425455	YES	NO	1
22356179	14622911	YES	NO	1
22443781	18605577	YES	NO	0
22554762	26243836	YES	NO	0
22567890	18148266	NO	YES	1
33218657	45676030	NO	YES	0
36692710	28274103	NO	YES	1
44756190	22685918	NO	YES	1
78566512	89856455	NO	YES	1
NULL	NULL	NULL	NULL	NULL

Result Grid Form Editor Field Types Query Stats

SELECT * FROM DAILY_BALANCE;

244 • SELECT * FROM DAILY_BALANCE;

245

100% 29:244

Result Grid Filter Rows: Search Edit: Export/Import:

AccountID	Account_Numb...	Account_balan...	Transaction_ty...	Activity_time
17518752	240484053	3000.2500	other expenses	2021-07-05 18:32:25
44015814	342384248	250.0000	internet bill	2021-11-24 16:24:00
47573139	564365935	782.0000	food	2021-11-23 12:00:00
39420351	569645356	1150.2600	bills	2021-08-10 20:32:23
43254686	678676763	425.1600	cleaner	2021-11-03 05:00:00
28339740	694568454	32.0000	car money	2021-10-23 18:30:23
15988487	785665120	210.0000	food	2021-08-05 20:32:15
28611421	786787565	600.0000	utility bill	2021-11-12 16:36:00
37291461	808906761	652.1300	rent	2021-09-04 22:00:01
5576172	906976069	1000.0000	Rent	2021-11-06 18:30:00
NULL	NULL	NULL	NULL	NULL

Result Grid Form Editor Field Types Query Stats

SELECT * FROM ACCOUNT;

246 • SELECT * FROM ACCOUNT;

247

100% 23:246

Result Grid Filter Rows: Search Edit: Export/Import:

USER_ID	AccountID	BankName	Account_Numb...	Acc_Balance	Acc_Type	Acc_permissi...	TimeStamp
22685918	1751852	Chase	240484053	9198.15	Checking_acc	0	2021-02-05
89856455	15988487	Santander	785665120	5180.20	Saving_acc	1	2021-08-05
47425455	25339740	Santander	694568454	696.50	Saving_acc	0	2018-11-25
28274103	29511421	Bank of America	786787565	5494.54	Checking_acc	1	2011-09-14
26243836	37291461	Chase	808906761	797.23	Checking_acc	1	2019-01-05
45676030	39420351	Chase	569645356	7969.40	Checking_acc	0	2021-06-02
18148266	43254686	Bank of America	678676763	5609.12	Saving_acc	0	2008-07-10
14622911	44015814	Bank of America	342384248	104.67	Saving_acc	1	2005-09-12
18605577	47573139	Citi Bank	564365935	70088.85	Checking_acc	0	2012-04-22
9488854	55761728	Citi Bank	906976069	6960.10	Saving_acc	1	2007-08-23
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid Form Editor Field Types Query Stats

SELECT * FROM TRANSACTIONS;

247

248

249

100%

28:248

SELECT * FROM TRANSACTIONS;

Result Grid

Filter Rows: Search

Edit: Export/Import:

TransactionID	AccountID	Account_Numb...	Transaction_Type	Base_type	Category	Amount	Settlement_Stat...	TimeStamp	
1E624CC7-34F3-1695-67B9-71E0DD868A	43254686	678676763	Purchase	Credit Card	Business	\$77	Pending	08:47	
325ADC87-43EC-BF8E-3DA5-4308D2DF6A	39420351	569645356	Transfer	Debit Card	Personal	\$33.99	Settled	17:21	
48EF4798-6CE7-6E2C-3273-8FB42F83DE	44015814	342384248	Purchase	Credit Card	Personal	\$674	Pending	03:34	
7586CB18-70A9-BBE5-0CAA-83965789D7	29511421	786787565	Purchase	Credit Card	Personal	\$793	Pending	06:27	
C7520AE9-3402-4E90-30DC-171F0E580F	47573139	564365935	Transfer	Debit Card	Business	\$4839	Settled	12:20	
D08ABAF3-3F08-8DA1-1DC2-FAAFDE1796	37291461	806906761	Purchase	Credit Card	Business	\$18.99	Settled	13:29	
EE68BC98-1E3F-B8D9-C489-5898932EFD	15988487	785685120	Deposit	Debit Card	Personal	\$2527.89	Settled	10:10	
EFA02EC0-DA5D-8311-8586-F0F669A57FA	1751852	240494053	Deposit	Debit Card	Personal	\$7343	Settled	20:20	
F0BA94B1-0739-3FE2-0CB4-9852BB54E3	55761728	906976069	Deposit	Debit Card	Personal	\$799	Settled	14:49	
F0BA94B1-0739-3FE2-0CB4-9852BB54E4	25339740	694568454	Deposit	Debit Card	Business	\$599.99	Settled	16:50	
HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	HULL	

Result Grid

Form Editor

Field Types