

Team report.

Names:

- 1) Dhananjay Jakhadi
- 2) Parag Rajhans

Project Meetings

Meeting	Date	Summary
Meeting 1	11/12/17	Spited work on all procedures,
Meeting 2	11/18/17	Status of what is already covered and next plan
Meeting 3	11/19/17	Combine proc in a package and test with package
Meeting 4	11/23/17	UI and Server side code
Meeting 5	11/26/17	Testing, Documentation

Project Plan

As described above we spitted procedures between two of us and followed timeline to complete and test each procedure thoroughly by both of us.

Team Work

Most of the work done together once all procedures were ready. There is equal contribution from both of us.

Primary responsibilit

Dhananjay	UI and DB interaction, Testing
Dhananjay	Package Testing as a whole
Parag	Server side framework, Documentation and Testing with UI
Parag	End to end Testing

Lesson learned

Time management

Dividing work in a team

Helping another team member where he is stuck with some task

Catching bugs and though testing solution in a team is always effective

SQL Queries for Project

```
drop table purchases;  
drop table employees;  
drop table customers;  
drop table supplies;  
drop table products;  
drop table discounts;  
drop table suppliers;  
drop table logs;
```

```
create table employees  
(eid char(3) primary key,  
name varchar2(15),  
telephone# char(12),  
email varchar2(20));
```

```
create table customers  
(cid char(4) primary key,  
name varchar2(15),  
telephone# char(12),  
visits_made number(4) check (visits_made >= 1),  
last_visit_date date);
```

```
create table discounts  
(discnt_category number(1) primary key check(discnt_category in (1, 2, 3, 4)),  
discnt_rate number(3,2) check (discnt_rate between 0 and 0.8));
```

```
create table products  
(pid char(4) primary key,  
name varchar2(15),  
qoh number(5),  
qoh_threshold number(4),  
original_price number(6,2),  
discnt_category number(1) references discounts);
```

```
create table purchases  
(pur# number(6) primary key,  
eid char(3) references employees(eid),  
pid char(4) references products(pid),  
cid char(4) references customers(cid),  
qty number(5),  
ptime date, total_price number(7,2));
```

```
create table suppliers
(sid char(2) primary key,
name varchar2(15) not null unique,
city varchar2(15),
telephone# char(12) not null unique,
email varchar2(20) unique);
```

```
create table supplies
(sup# number(4) primary key,
pid char(4) references products(pid),
sid char(2) references suppliers(sid),
sdate date,
quantity number(5),
unique(pid, sid, sdate));
```

```
create table logs
(log# number(5) primary key,
user_name varchar2(12) not null,
operation varchar2(6) not null,
op_time date not null,
table_name varchar2(20) not null,
tuple_pkey varchar2(6));
```

```
insert into employees values ('e01', 'David', '666-555-1234', 'david@rb.com');
insert into employees values ('e02', 'Peter', '777-555-2341', 'peter@rb.com');
insert into employees values ('e03', 'Susan', '888-555-3412', 'susan@rb.com');
insert into employees values ('e04', 'Anne', '666-555-4123', 'anne@rb.com');
insert into employees values ('e05', 'Mike', '444-555-4231', 'mike@rb.com');
```

```
insert into customers values ('c001', 'Kathy', '666-555-4567', 3, '12-OCT-17');
insert into customers values ('c002', 'John', '888-555-7456', 1, '08-OCT-17');
insert into customers values ('c003', 'Chris', '666-555-6745', 3, '18-SEP-17');
insert into customers values ('c004', 'Mike', '999-555-5674', 1, '15-OCT-17');
insert into customers values ('c005', 'Mike', '777-555-4657', 2, '30-AUG-17');
insert into customers values ('c006', 'Connie', '777-555-7654', 2, '16-OCT-17');
insert into customers values ('c007', 'Katie', '888-555-6574', 1, '12-OCT-17');
insert into customers values ('c008', 'Joe', '666-555-5746', 1, '14-OCT-17');
```

```
insert into discounts values (1, 0.1);
insert into discounts values (2, 0.2);
insert into discounts values (3, 0.3);
insert into discounts values (4, 0.4);
```

insert into products values ('p001', 'stapler', 60, 20, 9.99, 1);
insert into products values ('p002', 'TV', 6, 5, 249, 2);
insert into products values ('p003', 'camera', 20, 5, 148, 2);
insert into products values ('p004', 'pencil', 100, 10, 0.99, 1);
insert into products values ('p005', 'chair', 10, 8, 12.98, 3);
insert into products values ('p006', 'lamp', 10, 6, 19.95, 1);
insert into products values ('p007', 'tablet', 50, 10, 149, 2);
insert into products values ('p008', 'computer', 5, 3, 499, 3);
insert into products values ('p009', 'powerbank', 20, 5, 49.95, 1);

insert into purchases values (100001, 'e01', 'p002', 'c001', 1, to_date('12-AUG-2017 10:34:30', 'DD-MON-YYYY HH24:MI:SS'), 211.65);
insert into purchases values (100002, 'e01', 'p003', 'c001', 1, to_date('20-SEP-2017 11:23:36', 'DD-MON-YYYY HH24:MI:SS'), 118.40);
insert into purchases values (100003, 'e02', 'p004', 'c002', 5, to_date('08-OCT-2017 09:30:50', 'DD-MON-YYYY HH24:MI:SS'), 4.95);
insert into purchases values (100004, 'e01', 'p005', 'c003', 2, to_date('23-AUG-2017 16:23:35', 'DD-MON-YYYY HH24:MI:SS'), 18.17);
insert into purchases values (100005, 'e04', 'p007', 'c004', 1, to_date('15-OCT-2017 13:38:55', 'DD-MON-YYYY HH24:MI:SS'), 119.20);
insert into purchases values (100006, 'e03', 'p008', 'c001', 1, to_date('12-OCT-2017 15:22:10', 'DD-MON-YYYY HH24:MI:SS'), 349.30);
insert into purchases values (100007, 'e03', 'p006', 'c003', 2, to_date('10-SEP-2017 17:12:20', 'DD-MON-YYYY HH24:MI:SS'), 35.91);
insert into purchases values (100008, 'e03', 'p006', 'c005', 1, to_date('16-AUG-2017 12:22:15', 'DD-MON-YYYY HH24:MI:SS'), 17.96);
insert into purchases values (100009, 'e03', 'p001', 'c007', 1, to_date('12-OCT-2017 14:44:23', 'DD-MON-YYYY HH24:MI:SS'), 8.99);
insert into purchases values (100010, 'e04', 'p002', 'c006', 1, to_date('19-SEP-2017 17:32:37', 'DD-MON-YYYY HH24:MI:SS'), 211.65);
insert into purchases values (100011, 'e02', 'p004', 'c006', 10, to_date('16-OCT-2017 16:54:40', 'DD-MON-YYYY HH24:MI:SS'), 9.90);
insert into purchases values (100012, 'e02', 'p008', 'c003', 2, to_date('18-SEP-2017 15:56:38', 'DD-MON-YYYY HH24:MI:SS'), 698.60);
insert into purchases values (100013, 'e04', 'p006', 'c005', 2, to_date('30-AUG-2017 10:38:25', 'DD-MON-YYYY HH24:MI:SS'), 35.91);
insert into purchases values (100014, 'e03', 'p009', 'c008', 3, to_date('14-OCT-2017 10:54:06', 'DD-MON-YYYY HH24:MI:SS'), 134.84);

insert into suppliers values ('s1', 'SuperSupp', 'Vestal', '666-555-3333', 'supersupp@rb.com');
insert into suppliers values ('s2', 'HaveItAll', 'Binghamton', '666-555-4444', 'haveitall@rb.com');
insert into suppliers values ('s3', 'BigStore', 'Vestal', '666-555-7777', 'bigstore@rb.com');

```
insert into supplies values (1000, 'p001', 's1', '20-AUG-17', 61);
insert into supplies values (1001, 'p002', 's1', '02-AUG-17', 8);
insert into supplies values (1002, 'p003', 's1', '14-SEP-17', 21);
insert into supplies values (1003, 'p004', 's2', '05-OCT-17', 115);
insert into supplies values (1004, 'p005', 's2', '06-AUG-17', 8);
insert into supplies values (1005, 'p006', 's2', '10-AUG-17', 15);
insert into supplies values (1006, 'p007', 's3', '15-OCT-17', 51);
insert into supplies values (1007, 'p008', 's3', '12-OCT-17', 8);
insert into supplies values (1008, 'p009', 's3', '14-OCT-17', 23);
insert into supplies values (1009, 'p005', 's3', '23-AUG-17', 4);
```