

# Vezeeta Project

Phase 2

## Project Details

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## 1-SQL script

i-table and relationship creation

- create table doctor

(dr\_id number(3) primary key , f\_name varchar2(20) , l\_name varchar2(20)  
, avg\_rating number(5,2) , education varchar2(20) , expperience varchar2(20));

- **create table dr\_location**

(location varchar2(10) , dr\_id number(2),  
primary key(location , dr\_id ));

- **Create table Dr\_Specialization(**

Specialization varchar(50),  
DR\_ID number(2),  
primary key(specialization,DR\_ID));

- **Create table DR\_availability (**

DR\_availability number(2),  
availability char(1)  
primary key(DR\_availability,DR\_ID));

- **Create table Appointment (**

Appointment\_num number(2) primary key,  
Hour number(2),  
Location varchar(50),  
Appointemt\_Date Date,  
Type varchar(50)  
);

- **Create table Employee (**

Emp\_Id number (2) primary key,

Emp\_Fname VARCHAR2 (50),  
Emp\_Lname VARCHAR2 (50),  
Hotline number (6));

- **Create table Patient (**

Patient\_Id number primary key(2),  
Gender varchar2 (50),  
Password varchar2 (50),  
phone\_number number(11),  
email varchar2 (50),  
last\_name varchar2 (50),  
first\_name varchar2 (50),  
Emp\_Id number (2) references Employee1 Emp\_Id  
);

- **create table Reserves (**

DR\_Id number (2),  

- Appointment\_num number (2),

Patient\_Id number (2),  
Fees number (6),  
primary key (DR\_Id, Appointment\_num, Patient\_Id));

- **CREATE TABLE Review(**

Dr\_ID NUMBER(2),  
Patient\_Id NUMBER(2),  
Review\_date DATE(2),  
Review\_comment varchar2(16),

```
rating NUMBER(1),  
  
PRIMARY KEY(Dr_ID,Patient_Id)  
  
);
```

- **CREATE TABLE product(**

```
product_id number (2),  
  
Pcategory varchar2 (50),  
  
company varchar2(50),  
  
Pname varchar2 (50),  
  
primary key (product_id));
```

- **CREATE TABLE purchase(**

```
product_id number (2),  
  
patient_id number (2),  
  
phone_num number (11);  
  
cart varchar2(100),  
  
Order_Id number (2),  
  
payment varchar2 (50),  
  
primary key (product_id,patient_id));
```

- **CREATE TABLE Product\_details(**

```
product_id number (2),  
  
details varchar2 (100),  
  
primary key (product_id,details));
```

## ii-Tables and relationship insertion

- insert into product\_details(product\_id,details)

```
values (30,' production');
```

- insert into product\_details(product\_id,details)

```
values (32,' production2');
```

- insert into product\_details(product\_id,details)

```
values (33,' production3');
```

- insert into doctor

```
values(1,'Ahmed' , 'Mohammed' , 4 , 'Ain shams' , '2 years');
```

- insert into doctor

```
values(2,'Mohammed' , 'khaled' , 2 , 'Cairo university' , '6 years');
```

- insert into doctor

```
values(3,'Fatma' , 'Mohammed' , 5 , 'Helwan' , '5 years');
```

- insert into table DR\_availability

```
values(1,'Y');
```

- insert into table DR\_availability

```
values(2,'Y');
```

- insert into table DR\_availability

```
values(3,'N');
```

- insert into dr\_location

```
values(1 , 'nasr city');
```

- insert into dr\_location

```
values(2 , 'new cairo');
```

- insert into dr\_location

```
values(3 , 'maadi');
```

- insert into dr\_specialization

```
values(1 , 'heart disease');
```

- insert into dr\_specialization

```
values(2 , 'dentist');
```

- insert into dr\_specialization

```
values(3 , 'children');
```

- insert into patient(patient\_id , gender, password , phone\_num , email ,last\_name, first\_name , emp\_id)

```
values (21, 'male' ,996594 , 0122558445,'ali855@gmail.com','mostafa','ali',2);
```

- insert into patient(patient\_id,gender,password,phone\_num,email,last\_name, first\_name,emp\_id)

```
values (22,'male',996594,0122558445,'mohammed855@gmail.com','mostafa','tarek',2);
```

- insert into patient(patient\_id,gender,password,phone\_num,email,last\_name, first\_name,emp\_id)

```
values (21,'male',996594,0122558445,'mariam855@gmail.com','mariam','ibrahim',2);
```

- insert into product(product\_id,category,company,name)  
values (30,'Capsules.' ,'topionic','merck');
- insert into product(product\_id,category,company,name)  
values (31,'Topical medicines.' ,'abbvie','tramadol');
- insert into product(product\_id,category,company,name)  
values (32,'Topical medicines.' ,'sanofi','claritin');
- insert into reserves(dr\_id,appointment\_num,patient\_id,fees)  
values (1,10,20,200);
- insert into reserves(dr\_id,appointment\_num,patient\_id,fees)  
values (2,11,21,250);
- insert into reserves(dr\_id,appointment\_num,patient\_id,fees)  
values (3,12,22,300);
- insert into Review(dr\_id,patient\_id,Date,comment,Rating)  
values (1,20 ,'5-Dec-2023','good',2);
- insert into Review(dr\_id,patient\_id,Date,comment,Rating)  
values (2,21 ,'12-Dec-2023','bad',4);
- insert into Review(dr\_id,patient\_id,Date,comment,Rating)  
values (3,22 ,'23-Sep-2023','good',5);

- insert into purchase(product\_id , patiant\_id , phone\_num , cart , order\_id,payment)  
values (30, 20 ,01055567, 'motilium' , 40,200);
- insert into purchase(product\_id , patiant\_id , phone\_num , cart , order\_id,payment)  
values (31, 21 ,01058972, 'vibramycine,antodene' , 41,150);
- insert into purchase(product\_id , patiant\_id , phone\_num , cart , order\_id,payment)  
values (32, 22 ,01178912, 'panadole,pruffin,cometrex' , 43,300);
- insert into employee  
values(1, 'emad' , 'ahmed' , 123);
- insert into employee  
values(2, 'khaled' , 'Hassan' , 456);
- insert into employee  
values(3, 'Mostafa' , 'Hassanen' , 789);
- insert into Appointment (Appointment\_num , Hour\_h , location\_1 , date\_da , type\_t)  
values (10,'01-30-12','new cairo','05-DEC-2003' , 'online' );
- insert into Appointment (Appointment\_num , Hour\_h , location\_1 , date\_da , type\_t)  
values (12,'01-30-12','new cairo','05-DEC-2003' , 'online' );
- insert into Appointment (Appointment\_num , Hour\_h , location\_1 , date\_da , type\_t)  
values (13,'01-30-12','new cairo','05-DEC-2003' , 'online' );



# 1-Detailed screenshots

## Object navigator and elements' overview



**Step 1:** ComboBox in the DR-SPECIALIZATION canvas.

specialization

Specialization

SPECIALIZATION

Dr Id

DR\_ID

next record

Property Pallet of the comboBox :

Item: SPECIALIZATION	
General	
Name	SPECIALIZATION
Item Type	List Item
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Elements in List	
List Style	Combo Box
Mapping of Other Values	
Implementation Class	
Case Restriction	Mixed
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	
Data Type	Char
Data Length Semantics	BYTE
Maximum Length	20
Initial Value	N
Required	Yes
Copy Value from Item	
Synchronize with Item	<Null>
Calculation	
Calculation Mode	None
Formula	
Summary Function	None
Summarized Block	<Null>
Summarized Item	<Null>
Records	
Current Record Visual Attribute Group	<Null>
Distance Between Records	0
Number of Items Displayed	0
Database	

Code is running!

Action Edit Query Block Record Field Help Window

ORACLE

WINDOW1

specialization

Specialization

children

Dr Id

2

next record

MIDDLEWA

Record: 1/2

Step 2: Patient Gender RadioButton :

Patient

Patient Id

PATIENT\_ID

Male

Female

Password

PASSWORD

Phone Num

PHONE\_NUM

Email

EMAIL

Last Name

LAST\_NAME

First Name

FIRST\_NAME

Emp Id

EMP\_ID

Property Palette of the RadioButton :

Radio Button: RADIO_BUTTON25	
General	
Name	RADIO_BUTTON25
Subclass Information	
Comments	
Functional	
Enabled	Yes
Label	Male
Access Key	
Radio Button Value	Male
Records	
Distance Between Records	0
Physical	
Visible	Yes
X Position	261
Y Position	28
Width	90
Height	16
Visual Attributes	
Visual Attribute Group	DEFAULT
Prompt Visual Attribute Group	DEFAULT
Color	
Foreground Color	<Unspecified>
Background Color	<Unspecified>
Fill Pattern	<Unspecified>
Font	
Font Name	<Unspecified>
Font Size	<Unspecified>
Font Weight	<Unspecified>
Font Style	<Unspecified>
Font Spacing	<Unspecified>
Prompt	
Prompt	
Prompt Display Style	First Record
Prompt Justification	Start
Prompt Attachment Edge	Start
Prompt Alignment	Start
Prompt Attachment Offset	0
Prompt Alignment Offset	0

Action Edit Query Block Record Field Help Window

ORACLE

WINDOW1

Patient

Patiant Id

4

Male

Female

Password

123

Phone Num

9863

Email

mariam@123

Last Name

tamer

First Name

Mariam

Emp Id

3

record: 4/4

Step 3: DR-AVAILABLITY checkbox :

Dr Id

DR\_ID

Available

☒

Item: AVAILABLE	
General	
Name	AVAILABLE
Item Type	Check Box
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Label	
Access Key	
Implementation Class	
Value when Checked	y
Value when Unchecked	n
Check Box Mapping of Other Values	Unchecked
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	
Data Type	Char
Data Length Semantics	BYTE
Maximum Length	1
Initial Value	n
Copy Value from Item	
Synchronize with Item	<Null>
Calculation	
Calculation Mode	None
Formula	
Summary Function	None
Summarized Block	<Null>
Summarized Item	<Null>
Records	
Current Record Visual Attribute Group	<Null>
Distance Between Records	0
Number of Items Displayed	0
Database	

Step 4: Experience Alert and button trigger :

doctor

Dr Id

DR\_ID

F Name

F\_NAME

L Name

L\_NAME

Avg Rating

AVG\_RATING

Education

EDUCATION

Experience

EXPERIENCE

next record

Next record Button’s property palette:

Item: PUSH_BUTTON61	
General	
Name	PUSH_BUTTON61
Item Type	Push Button
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Label	next record
Access Key	
Implementation Class	
Iconic	No
Icon Filename	
Default Button	No
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Mouse Navigate	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Records	
Current Record Visual Attribute Group	<Null>
Distance Between Records	0
Number of Items Displayed	0
Physical	
Visible	Yes
Canvas	CANVAS58
Tab Page	<Null>
X Position	475
Y Position	113
Width	88
Height	19
Visual Attributes	
Visual Attribute Group	DEFAULT
Prompt Visual Attribute Group	DEFAULT
Color	
Foreground Color	black
Background Color	white

Experience Alert property palette:



Item: EXPERIENCE	
General	
Name	EXPERIENCE
Item Type	Text Item
Subclass Information	
Comments	
Help Book Topic	
Functional	
Enabled	Yes
Justification	Start
Implementation Class	
Multi-Line	No
Wrap Style	Word
Case Restriction	Mixed
Conceal Data	No
Keep Cursor Position	No
Automatic Skip	No
Popup Menu	<Null>
Navigation	
Keyboard Navigable	Yes
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	
Data Type	Char
Data Length Semantics	BYTE
Maximum Length	20
Initial Value	
Required	No
Format Mask	
Lowest Allowed Value	
Highest Allowed Value	
Copy Value from Item	
Synchronize with Item	<Null>
Calculation	
Calculation Mode	None
Formula	
Summary Function	None
Summarized Block	<Null>
Summarized Item	<Null>

Trigger code:

```

1 Declare
2   b number;
3 begin
4   if:Doctor.Experience<3 then
5     b:=show_alert('ALERT60');
6     if b=88 then
7       raise form_trigger_failure;
8     end if;
9   end if;
10 end;
11
12

```

**Step 5:** Summary Calculated fields of purchase's payment :

purchase	
Product Id	PRODUCT_ID
Patient Id	PATIENT_ID
Phone Number	PHONE_NUMBER
Cart	CART
Order1 Id	ORDER1_ID
Payment	PAYMENT
	MAXIMUM

Item: MAXIMUM	
General	
Name	MAXIMUM
Item Type	Display Item
Subclass Information	
Comments	
Help Book Topic	
Functional	
Justification	Start
Popup Menu	<Null>
Navigation	
Previous Navigation Item	<Null>
Next Navigation Item	<Null>
Data	
Data Type	Number
Data Length Semantics	Null
Maximum Length	30
Initial Value	
Format Mask	
Copy Value from Item	
Synchronize with Item	<Null>
Calculation	
Calculation Mode	Summary
Formula	
Summary Function	Max
Summarized Block	PURCHASE
Summarized Item	PAYMENT
Records	
Current Record Visual Attribute Group	<Null>
Distance Between Records	0
Number of Items Displayed	0
Database	
Database Item	Yes
Column Name	
Primary Key	No
Query Only	No
Physical	
Visible	Yes
Cache	CACHED

Step 6: LOV

Record Group: LOV45	
General	
Name	LOV45
Subclass Information	
Comments	
Functional	
Record Group Type	Query
Record Group Query	SELECT ALL REVIEW.DR_ID, REVIEW.PATIENT_ID, REVIEW.DATE_D, REVIEW.COMMENT_1, REVIEW.RATINGFROM REVIEW
Record Group Fetch Size	0
Column Specifications	

Window

ORACLE

appointment details

Find%

Dr_Id	Patient_Id	Date_D	Con
1	20	01-DEC-02	goo
2	21	03-DEC-22	bad
3	22	04-SEP-13	goo

Find

OK

Cancel

**Step 7: Master-Detail between employee (1) and patient (many) connected by Emp-ID :**

Emp Id

EMP\_ID

Emp Fname

EMP\_FNAME

Emp Lname

EMP\_LNAME

Hotline

HOTLINE

Patient Id

PATIENT\_ID

Gender

GENDER

Password

PASSWORD

Phone Num

PHONE\_NUM

Email

EMAIL

Last Name

LAST\_NAME

First Name

FIRST\_NAME

Emp Id

EMP\_ID