ASP.NET (Add, Read, Update, Delete, Fetch) UI , SQL, C#

Shoe Project Code

SQL:

create database josh\_shoemart

* **Create table**

create table tbl\_Products(

ProductID int identity(100,1) primary key ,

ProductName varchar(100) not null,

Description varchar(MAX),

Brand varchar(100),

Category varchar(100),

Price float not null,

CreatedAt datetime default getdate(),

UpdatedAt datetime default getdate()

)

* Create trigger

create trigger updateproductsupdatedat

on tbl\_Products

after update

as

begin

update tbl\_Products

set updatedat = getdate()

from tbl\_Products

inner join inserted on tbl\_Products.ProductID = inserted.ProductID;

end;

* Create table

create table tbl\_ProductSize(

ProductSizeID int identity(01,1) primary key,

ProductID int,

Size varchar(10),

Quantity int not null,

foreign key (ProductID) references tbl\_Products(ProductID) on delete cascade

)

* Create user table

create table tbl\_User (

ID int identity(1,1) primary key,

UserName varchar(100) not null,

MobileNumber varchar(11) not null,

Email varchar(100) not null,

Address varchar(max) ,

Pswd varchar(100),

Role varchar(100),

)

* Insert data using sql query

insert into tbl\_User (UserName,MobileNumber,Email,Address,Pswd,Role)

values ('admin', 1234567890,'admin@gmail.com','coimbatore','admin','Admin'),

('ash', 1234567891,'ash@gmail.com','coimbatore','ash','User')

select \* from tbl\_User

* User register

create procedure sp\_registerUser

(

@UserName varchar(100),

@MobileNumber varchar(11),

@Email varchar(100) ,

@Address varchar(max) ,

@Pswd varchar(100)

)

as

begin

insert into tbl\_User ([UserName],[MobileNumber],[Email],[Address],[Pswd],[Role])

values (@UserName, @MobileNumber,@Email,@Address,@Pswd,'User');

end

* User and admin login

create procedure sp\_userLogin

@Username varchar(100),

@Password varchar(100)

as

begin

set nocount on ;

select Role from tbl\_User where [UserName]=@Username and [Pswd]=@Password ;

end

exec sp\_userLogin 'sri','sri'

* Add product stored procedure

create procedure sp\_ShoeAddProduct

@ProductName varchar(100),

@Description varchar(MAX),

@Brand varchar(100),

@Category varchar(100),

@Price float

as

begin

insert into tbl\_Products ([ProductName],[Description],[Brand],[Category],[Price])

values (@ProductName,@Description,@Brand,@Category,@Price)

end

exec sp\_ShoeAddProduct 'layer shoe','good','puma','walking',599

* Fetch product id SP

create procedure sp\_fetchProductID

(

@ProductName varchar(100),

@Description varchar(MAX),

@Brand varchar(100),

@Category varchar(100)

)

as begin

select [ProductID] from [dbo].[tbl\_Products] where ProductName = @ProductName and [Description]=@Description and

[Brand]=@Brand and [Category]= @Category

end

exec sp\_fetchProductID 'safty shoe','for safty','levis','others'

* Add size and quantity SP

create procedure sp\_sizeandquantity

@ProductID int,

@Size varchar(10),

@Quantity int

as

begin

insert into tbl\_ProductSize ([ProductID],[Size],[Quantity])

values(@ProductID,@Size,@Quantity)

end

* Create joined table

CREATE TABLE JoinedTable (

ProductID INT,

ProductName NVARCHAR(100),

Size INT,

Quantity INT

);

* Join product with quantity and insert data into joined table

create procedure sp\_joinproductwithsizequantity\_and\_store

as

begin

-- Insert only the new records into the new table--

INSERT INTO JoinedTable (ProductID, ProductName, Size, Quantity)

SELECT p.ProductID, p.ProductName, psq.Size, psq.Quantity

FROM tbl\_Products p

JOIN tbl\_ProductSize psq ON p.ProductID = psq.ProductID

where not exists (

select 1

from joinedtable jt

where jt.productid = p.productid

and jt.size = psq.size

and jt.quantity = psq.quantity

);

end

exec sp\_joinproductwithsizequantity\_and\_store

* Total quantity calculate SP

create procedure sp\_calculatequantity

as

begin

SELECT ProductID, SUM(Quantity) AS TotalQuantity

FROM joinedtable

GROUP BY ProductID;

end

exec sp\_calculatequantity

* SHOW JOINED TABLE

create procedure sp\_showjointb

as

begin

select \* from joinedtable

end

exec sp\_showjointb

* UPDATE PRODUCT SP

create procedure sp\_UpdateProducts

@ProductID INT,

@ProductName varchar(100),

@Description varchar(100),

@Brand varchar(100),

@Category varchar(100),

@Price float

as

begin

update tbl\_Products

set [ProductName] = @ProductName,[Description]=@Description,[Brand] = @Brand ,[Category] =@Category,[Price] = @Price

where ProductID = @ProductID

end

EXEC sp\_UpdateProducts

@ProductID = 101,

@ProductName = 'New Product Name',

@Brand = 'New Brand',

@Category = 'New Category',

@Price = 9.99;

* FETCH PRODUCTS SP

create procedure sp\_fetchProducts

as

begin

select \* from tbl\_Products

end

exec sp\_fetchProducts

* SELECT TO EDIT DATA BY ID

CREATE PROCEDURE sp\_GetProductById

@ProductID int

AS

BEGIN

SELECT ProductName, Description, Brand, Category, Price

FROM tbl\_Products

WHERE ProductID = @ProductID;

END

* DELETE DATA BY ID SP

create procedure sp\_delete

@ProductID int

as

begin

delete from tbl\_Products

where [ProductID] = @ProductID

end