COMSATS ATTOCK

Final Project

JULY 10, 2021

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FA19-BCS-065

"Report of Project"

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"Mobile Shop System"

1. Introduction:

The project is developed for manage the mobile shop system. To simplify the management for the owner to update, delete and add new mobiles and all over the information of branded and used mobile branded mobile owned by the owner of shops and used mobile are those which a local seller came to sell. And also collect the information of mobiles who bought from the shop.

- Software will help you conveniently manage the mobiles data.
- Easy to collect, adequately mobiles information.

2. Purpose:

Purpose of this project for easily handling large adequately mobiles and large shop. To convert it to computerize rather than page information or other storage devices. To check conveniently details about mobiles. Some key points are written bellow:

- To simplify the selling system.
- For searching easily in enormous of mobiles.
- Store information of buyer and seller.
- Conscious about every transaction.
- To precise the functionality.
- To add, update, and delete the information.
- Consistency in data.
- Reduce data dependency.

3. Scope:

To maintain all the activity and process done by admin and removal in data dependency. Also, I have created this project for our mobile shop. And project would help me a a lot to manipulating the data. Handled by only the admin of shop. Merely admin will handle and perform all the functionality which is secure.

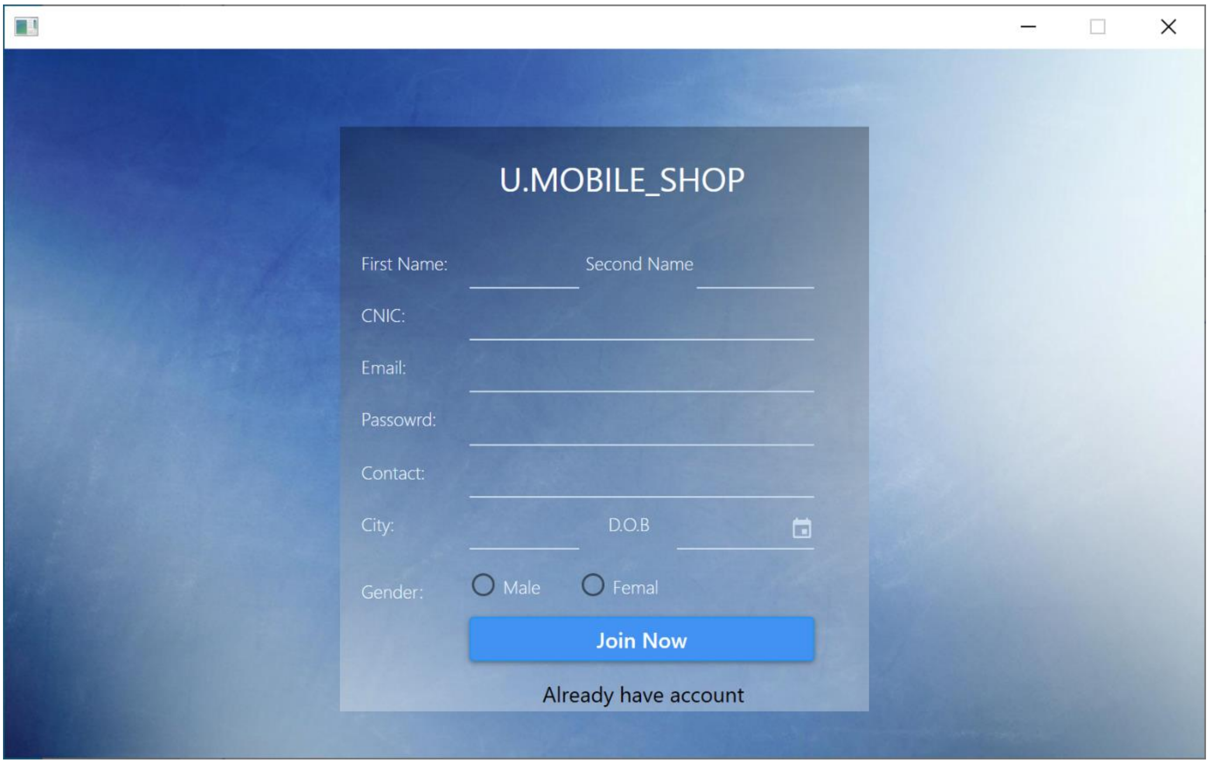
4. Functions:

- Add new mobile and store.
- Delete mobile.
- Store sold mobile information.
- Update mobile information.
- Update admin information.
- Store used mobile and seller information.
- Store new mobile information
- Add Buyer information.

5. Module:

5.1 Signup:

In commencement you have to sign up for using this application if you already had account then you can’t signup.



U.MOBILE_SHOP

First Name: Second Name

CNIC:

Email:

Passowrd:

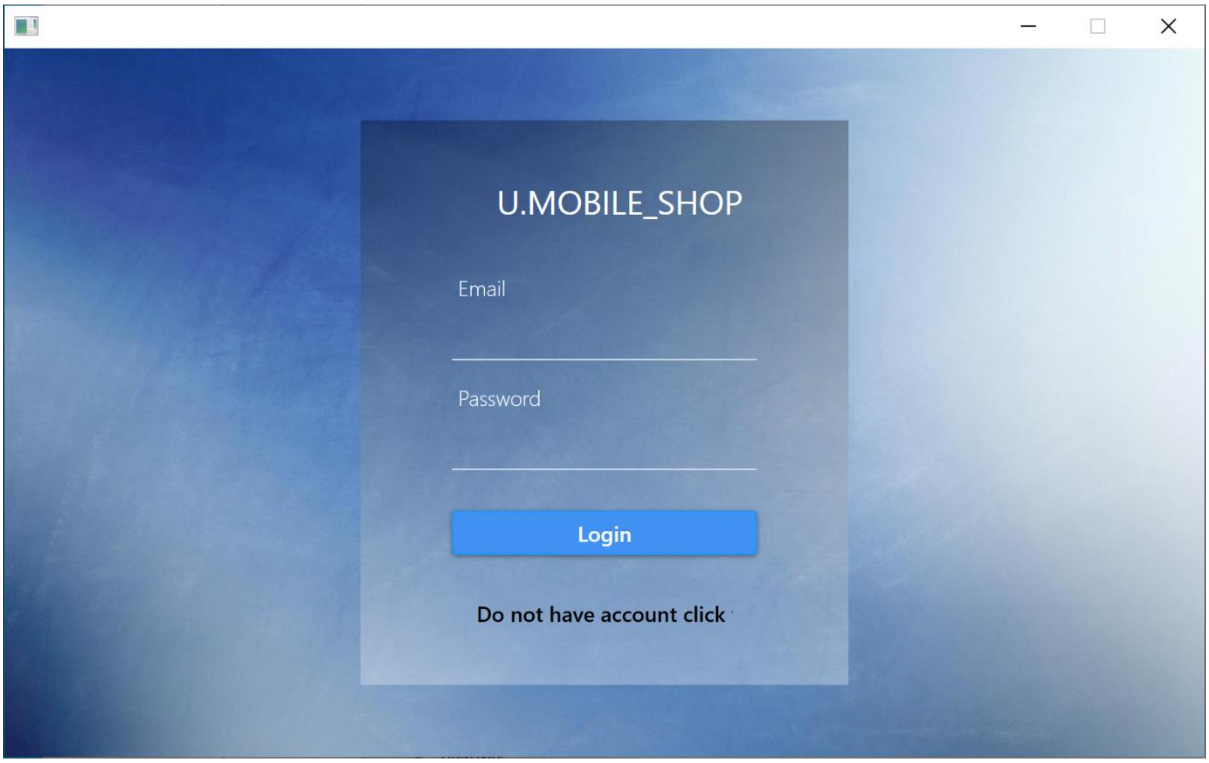
Contact:

City: D.O.B

Gender: ○ Male ○ Femal

5.2 Login:

Insert the correct username and password for accessing the application.



U.MOBILE_SHOP

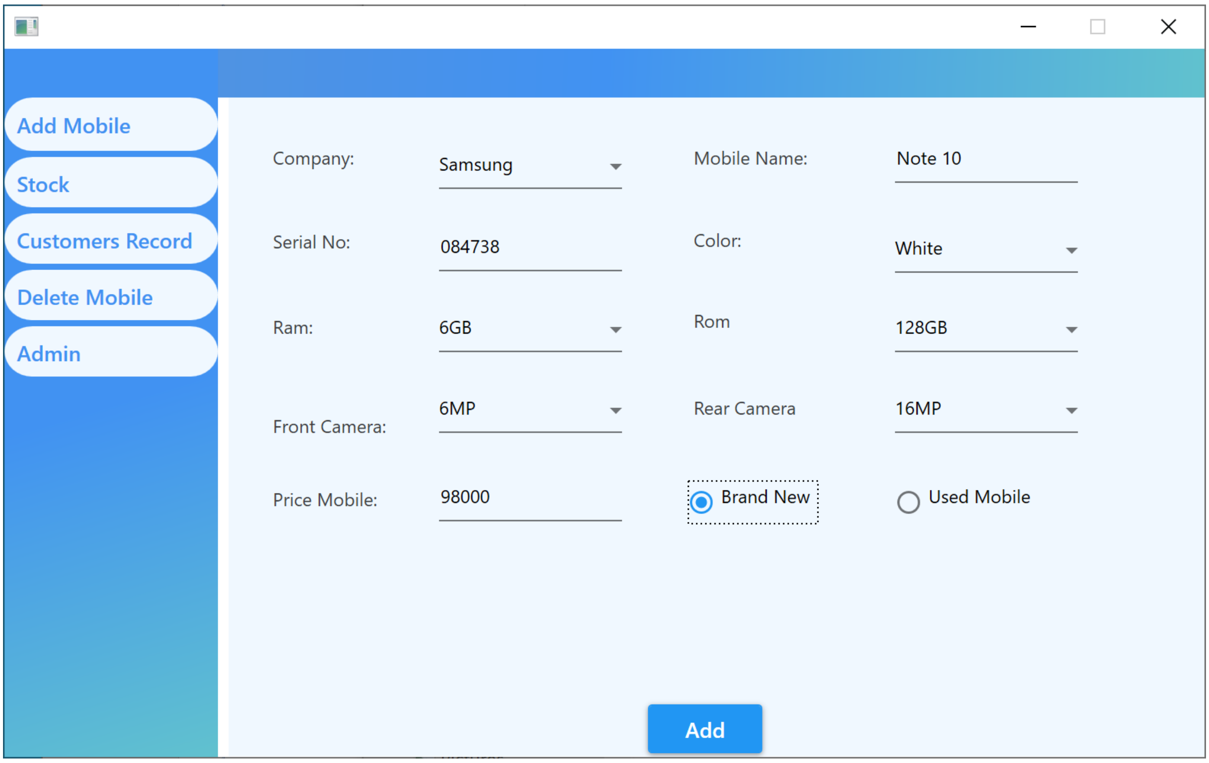
Email

Password

5.3 Add Mobile:

5.3.1 New Mobile:

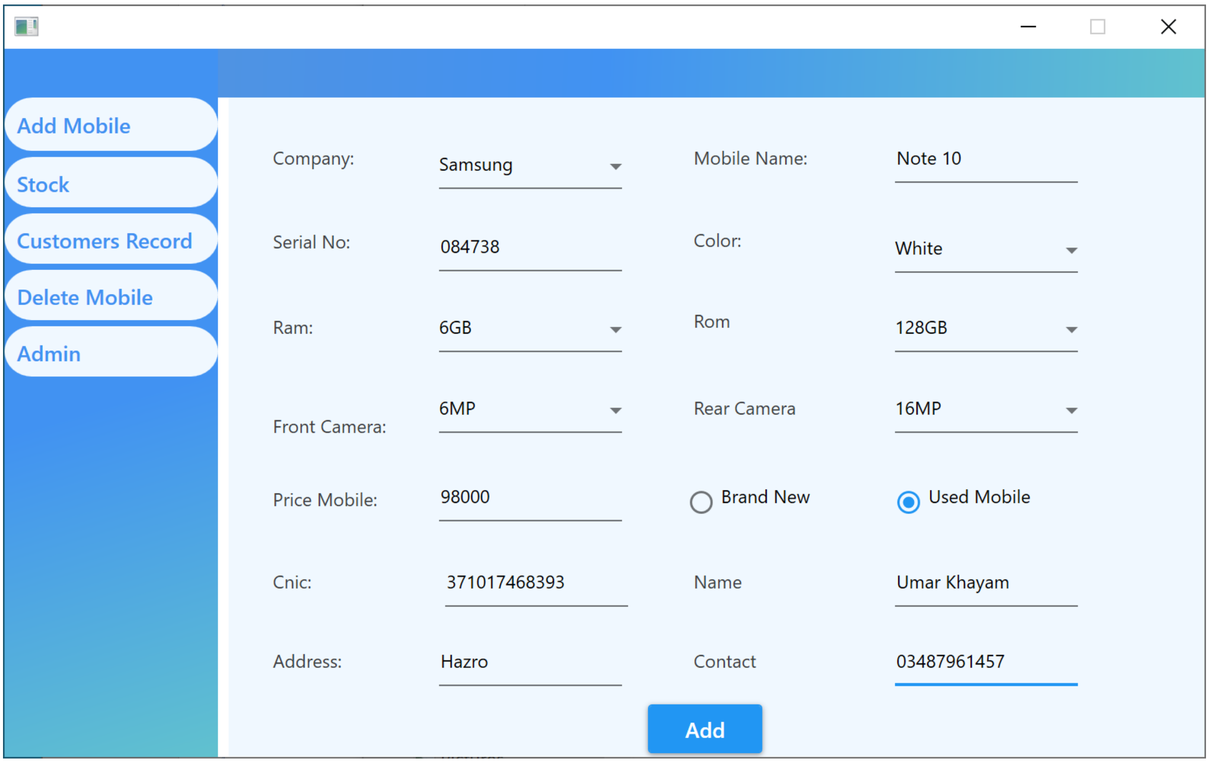
New mobile is owned by admin does’t need to provide all seller name etc.



Company:	Samsung	Mobile Name:	Note 10
Serial No:	084738	Color:	White
Ram:	6GB	Rom	128GB
Front Camera:	6MP	Rear Camera	16MP
Price Mobile:	98000	● Brand New	○ Used Mobile

5.3.2 Used Mobile:

In used mobile you need to provide the seller information.

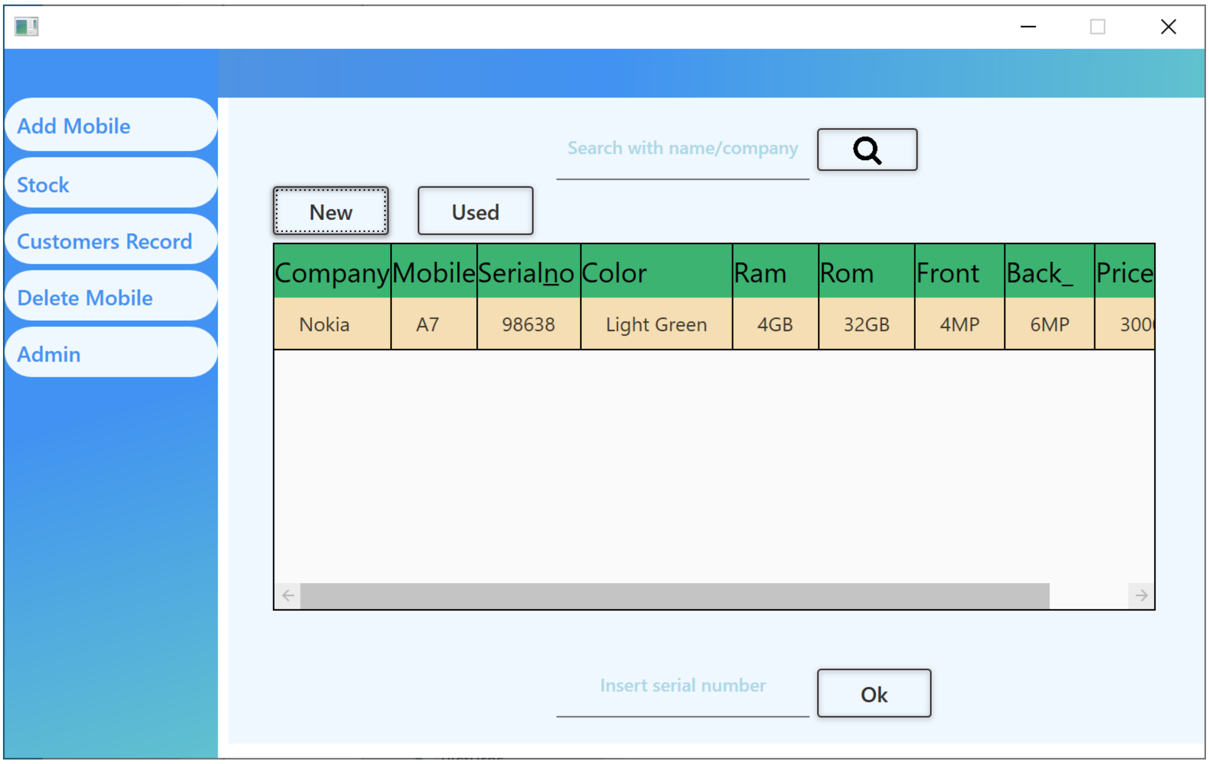


Company:	Samsung	Mobile Name:	Note 10
Serial No:	084738	Color:	White
Ram:	6GB	Rom	128GB
Front Camera:	6MP	Rear Camera	16MP
Price Mobile:	98000	○ Brand New	● Used Mobile
Cnic:	371017468393	Name	Umar Khayam
Address:	Hazro	Contact	03487961457

5.4 Stock:

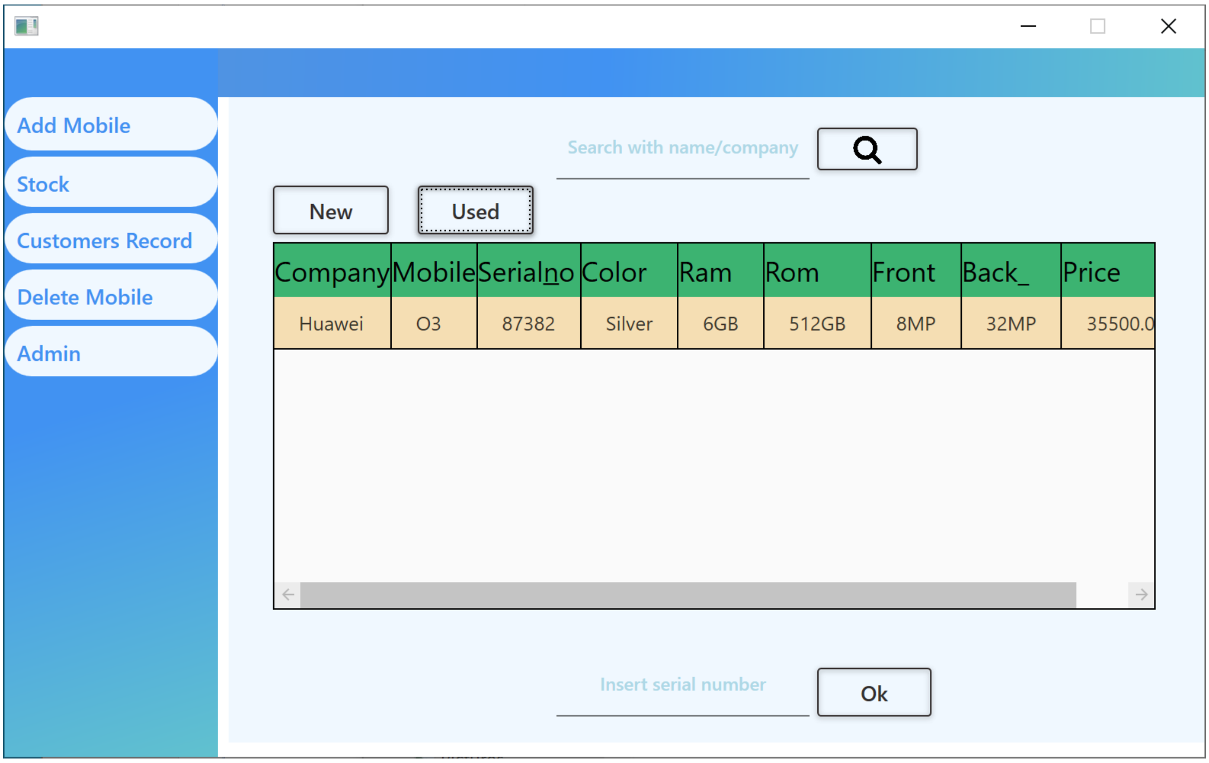
In stock available mobiles are shown used and branded.

5.4.1 New Mobile.



Company	Mobile	Serialno	Color	Ram	Rom	Front	Back_	Price
Nokia	A7	98638	Light Green	4GB	32GB	4MP	6MP	300

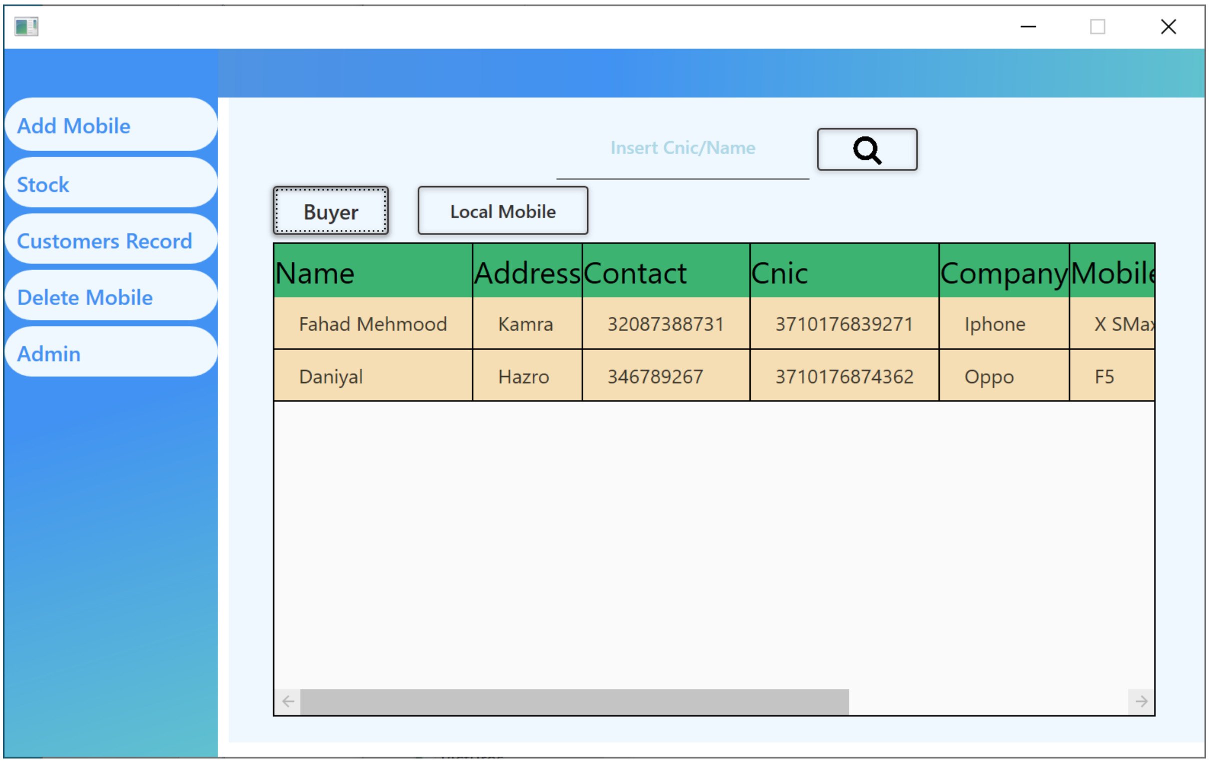
5.4.2 Used mobile:



Company	Mobile	Serialno	Color	Ram	Rom	Front	Back_	Price
Huawei	O3	87382	Silver	6GB	512GB	8MP	32MP	35500.0

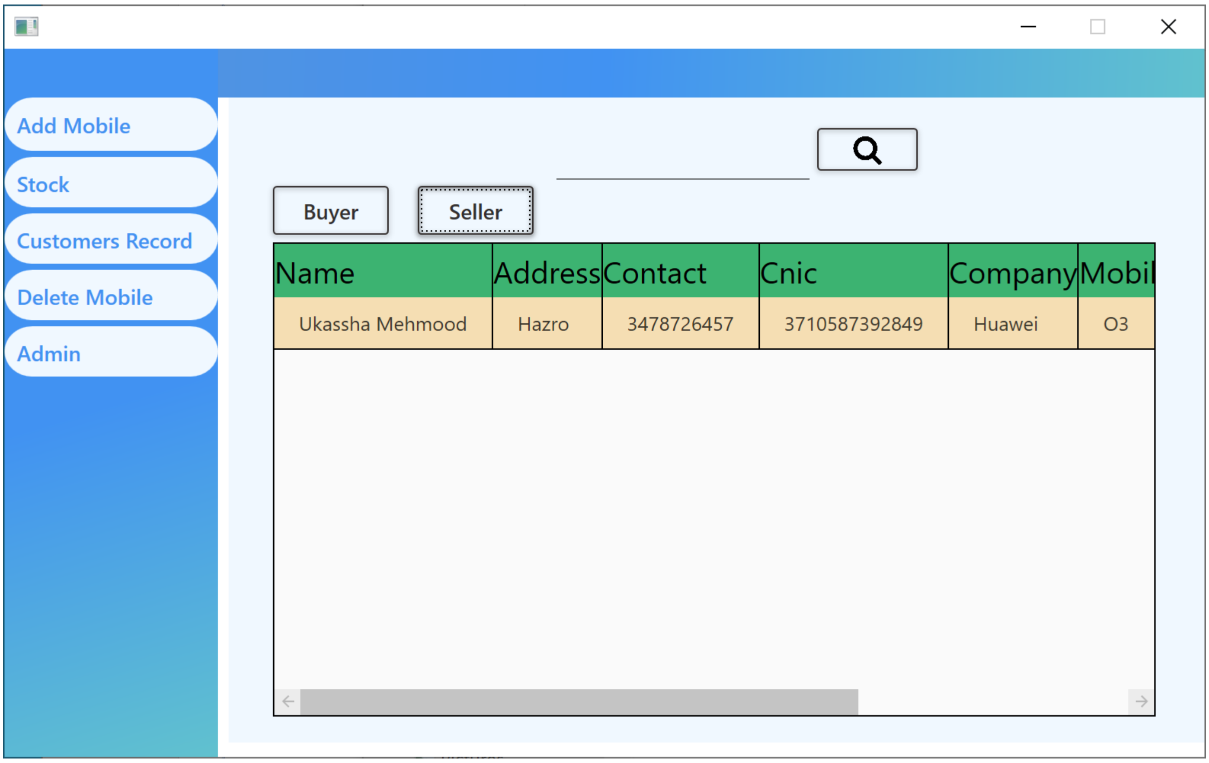
5.5 Customers details:

5.5.1 Buyer:



Name	Address	Contact	Cnic	Company	Mobile
Fahad Mehmood	Kamra	32087388731	3710176839271	Iphone	X SMax
Daniyal	Hazro	346789267	3710176874362	Oppo	F5

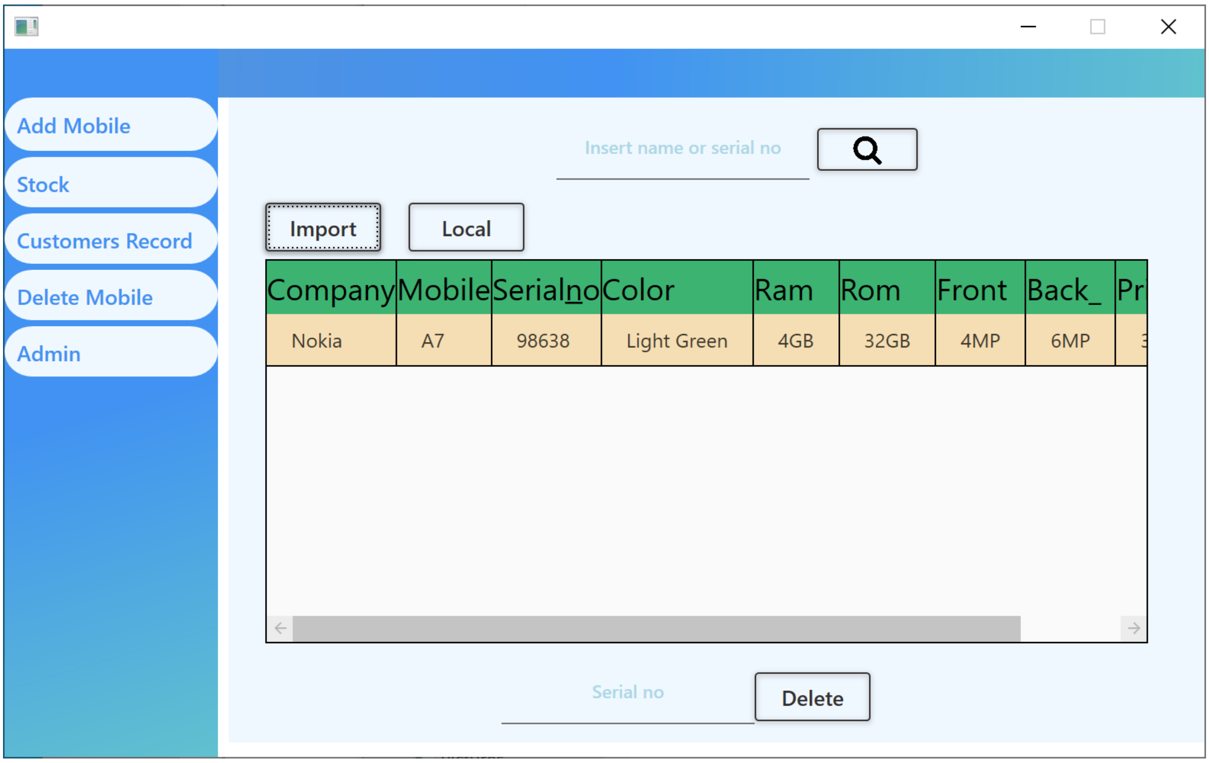
5.5.2 Seller:



Name	Address	Contact	Cnic	Company	Mobil
Ukassha Mehmood	Hazro	3478726457	3710587392849	Huawei	O3

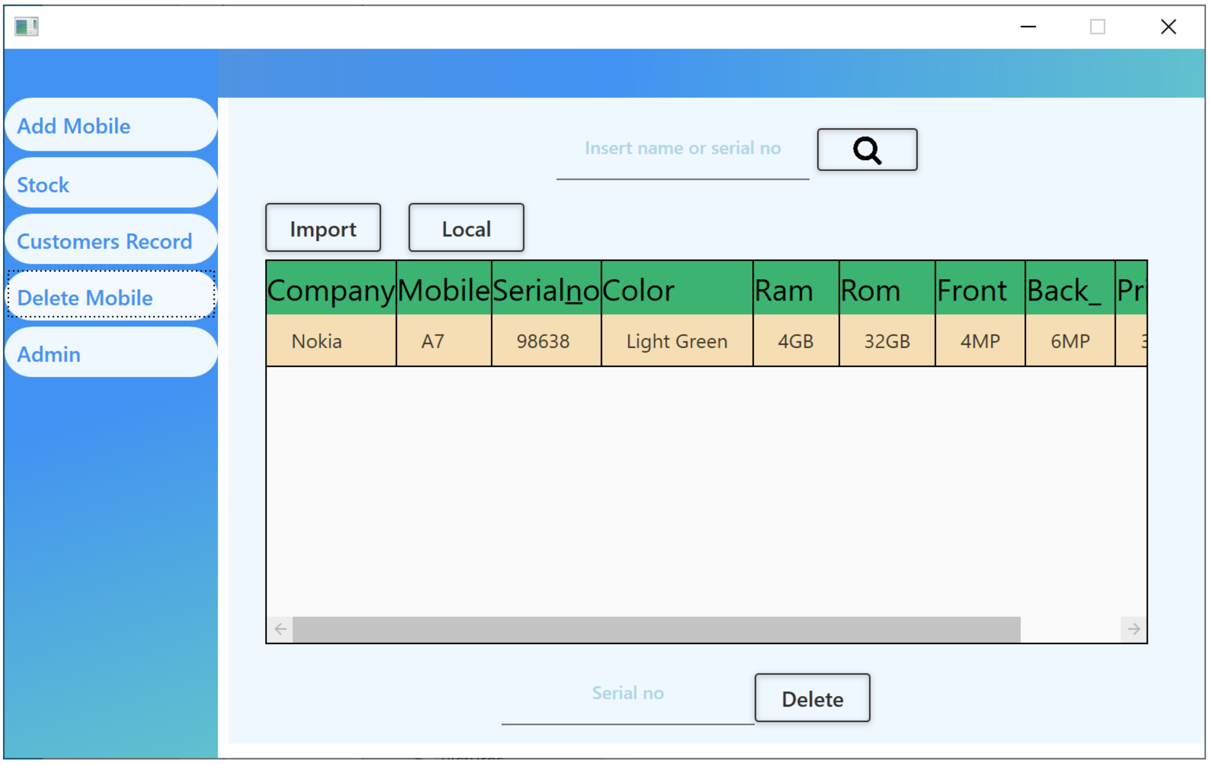
5.6 Delete mobile:

5.6.1 New Mobile:



Company	Mobile	Serialno	Color	Ram	Rom	Front	Back_	Pr
Nokia	A7	98638	Light Green	4GB	32GB	4MP	6MP	3

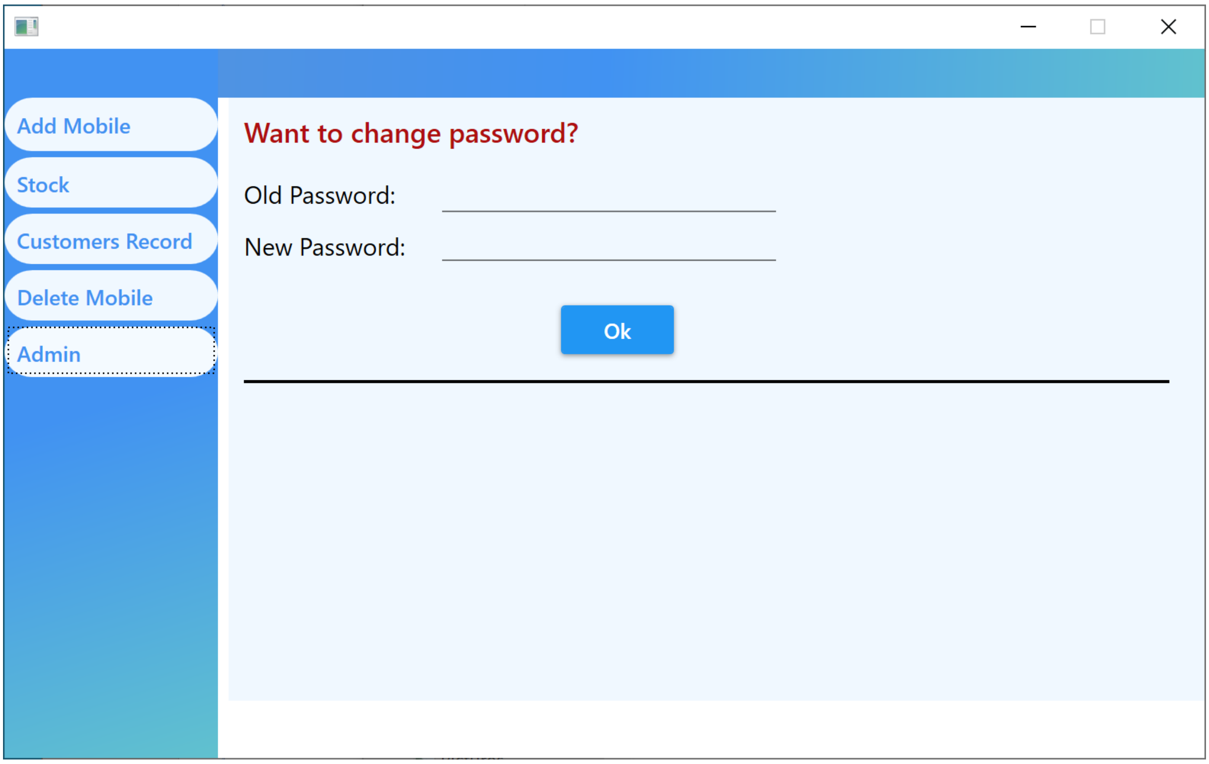
5.6.2 Used Mobile:



Company	Mobile	Serialno	Color	Ram	Rom	Front	Back_	Pr
Nokia	A7	98638	Light Green	4GB	32GB	4MP	6MP	3

5.7 Admin:

In this module admin can change the password of account.



Want to change password?

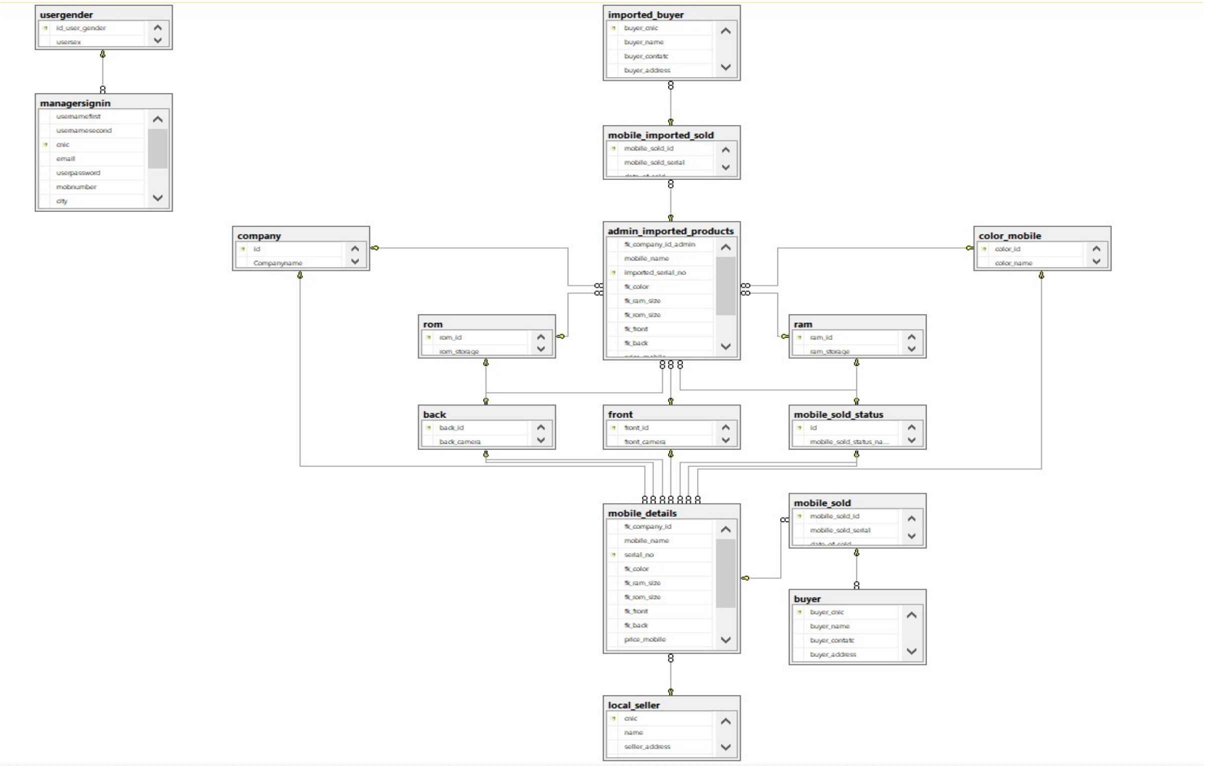
Old Password:

New Password:

6 Database:

I prefer Sql database to store all over the record of mobiles.

6.1 Database Diagram:



6.2 Store Procedure:

```
---
---Changing status to sold for local seller products
---

drop proc for_changing_status
create proc for_changing_status
@serial_no int,
@date date
as begin
select serial_no from mobile_details
update mobile_details
set fk_mobile_sold_status=1
where serial_no=@serial_no
insert into mobile_sold values(@serial_no,@date)
end

---
---Changing status to sold for admin products
---

create proc for_imported_status
@imported_serial_no int,
@date date
as begin
select imported_serial_no from admin_imported_products
update admin_imported_products
set fk_mobile_sold_status=1
where imported_serial_no=@imported_serial_no
insert into mobile_imported_sold values(@imported_serial_no,@date)
end


---
---Proc as view mobile details
---

drop proc mobile_view
create proc mobile_view
as begin
select
Companyname,mobile_name,serial_no,color_name,ram_storage,rom_storage
,front_camera,back_camera,price_mobile
from mobile_details
join company
on mobile_details.fk_company_id=company.id
join ram
on ram.ram_id=mobile_details.fk_ram_size
join rom
```

```
on rom.rom_id=mobile_details.fk_rom_siz
join color_mobile
on color_mobile.color_id=mobile_details.fk_color
join front
on front.front_id=mobile_details.fk_front
join back
on back.back_id=mobile_details.fk_back
where fk_mobile_sold_status=2
end

---
---Admin products view
---

drop proc admin_view_products
create proc admin_view_products
as begin
select
Companyname,mobile_name,imported_serial_no,color_name,ram_storage,ro
m_storage,front_camera,back_camera,price_mobile
from admin_imported_products
join company
on admin_imported_products.fk_company_id_admin=company.id
join ram
on ram.ram_id=admin_imported_products.fk_ram_size
join rom
on rom.rom_id=admin_imported_products.fk_rom_size
join color_mobile
on color_mobile.color_id=admin_imported_products.fk_color
join front
on front.front_id=admin_imported_products.fk_front
join back
on back.back_id=admin_imported_products.fk_back
where fk_mobile_sold_status=2
end
execute admin_view_products

---
---Buyers details view
---

drop proc buyers_details
create proc buyers_details
as begin
select buyer_name, buyer_address, buyer_cnic,
buyer_contatc,Companyname,mobile_name,price_mobile,date_of_sold
from buyer
join mobile_sold
on buyer.fk_mobile_sold_id=mobile_sold.mobile_sold_id
```

```
join mobile_details
on mobile_sold.mobile_sold_serial=mobile_details.serial_no
join company
on company.id=mobile_details.fk_company_id
where fk_mobile_sold_status=1
end
execute buyers_details execute  buyers_imported


---
---buyer imported view
---

create proc buyers_imported
as begin
select buyer_name,buyer_address,buyer_cnic,
buyer_contatc,Companyname,mobile_name,price_mobile,date_of_sold
from imported_buyer
join mobile_imported_sold
on
imported_buyer.fk_mobile_sold_id=mobile_imported_sold.mobile_sold_id
join admin_imported_products
on
mobile_imported_sold.mobile_sold_serial=admin_imported_products.impo
rted_serial_no
join company
on company.id=admin_imported_products.fk_company_id_admin
where fk_mobile_sold_status=1
end
drop proc buyers_imported

---
---Seller details
---

create proc seller_details
as begin
select
name,seller_address,contact_number,cnic,Companyname,mobile_name,mobi
le_order_date,price_mobile
from mobile_details
join local_seller
on local_seller.cnic=mobile_details.fk_cnic
join company
on company.id=mobile_details.fk_company_id
end
```

6.3 Triggers:

```
---
---Increase in price of 500 after inserting local seller mobile
---
create trigger increas_price
on mobile_details
for insert
as begin
update mobile_details
set price_mobile=price_mobile+500
end
```

6.4 Constraint:

```
---
---constraint for default gender
---
alter table managersignin
add constraint for_auto_gender
default 1 for usergender_id

---
---constraint for mobile sold status
---

alter table mobile_details
add constraint mob_sold_default
default 2 for fk_mobile_sold_status

alter table mobile_details
add constraint mob_front
default 1 for fk_front

alter table mobile_details
add constraint mob_back
default 1 for fk_back

alter table mobile_details
add constraint mob_ram
default 1 for fk_ram_size

alter table mobile_details
add constraint mob_rom
default 1 for fk_rom_size

alter table mobile_details
add constraint mob_back
default 1 for fk_back
```

```
alter table mobile_details
add constraint mob_coloor
default 1 for fk_color

---
---Admin products constraint
---

alter table admin_imported_products
add constraint mob_sold_default_admin
default 2 for fk_mobile_sold_status

alter table admin_imported_products
add constraint mob_front_admin
default 1 for fk_front

alter table admin_imported_products
add constraint mob_back_admin
default 1 for fk_back

alter table admin_imported_products
add constraint mob_ram_admin
default 1 for fk_ram_size

alter table admin_imported_products
add constraint mob_rom_admin
default 1 for fk_rom_size

alter table admin_imported_products
add constraint mob_color_admin
default 1 for fk_color
```