

GUL[©]

X Shops App

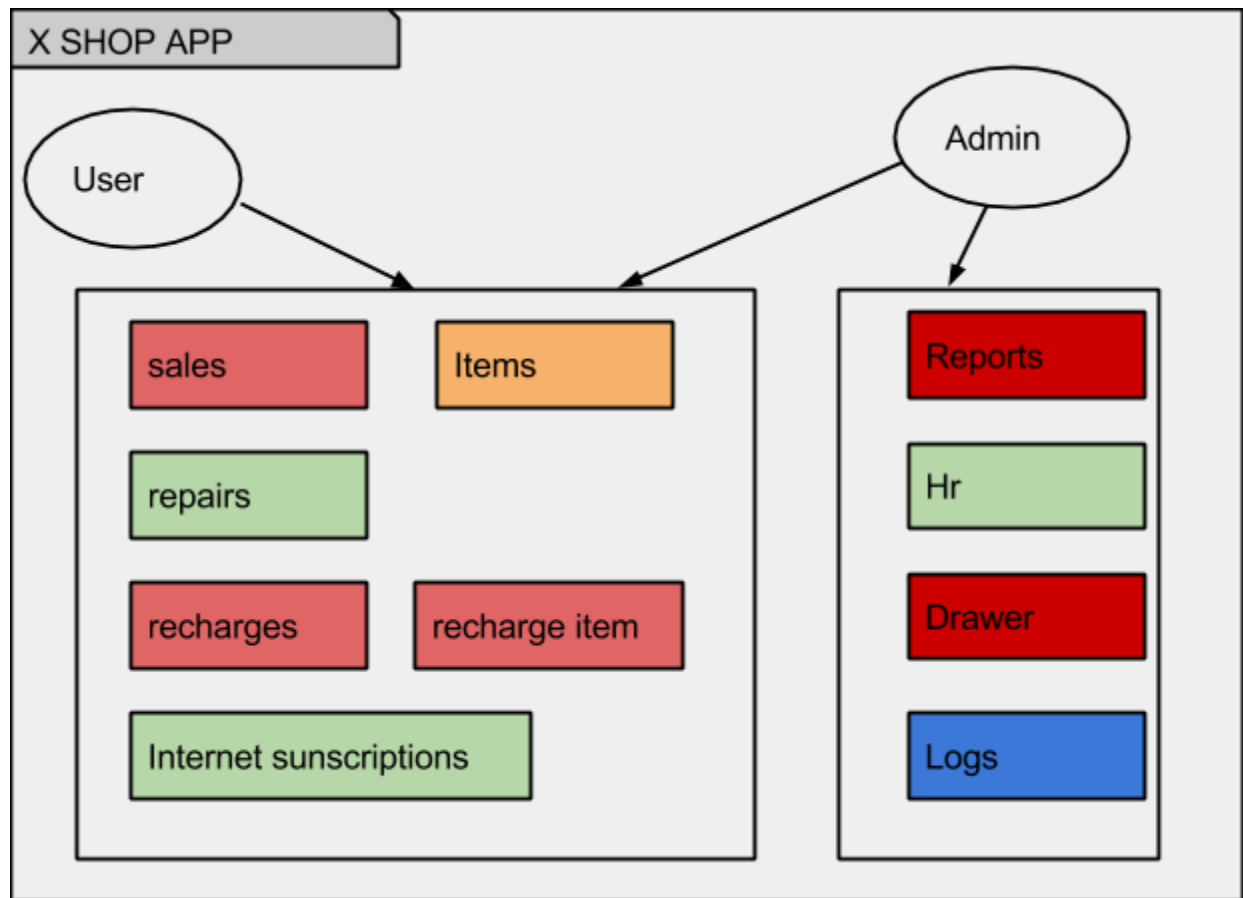
Mobile shops App is a light application for managing sales and organize small shops (Mobile phones related shops)

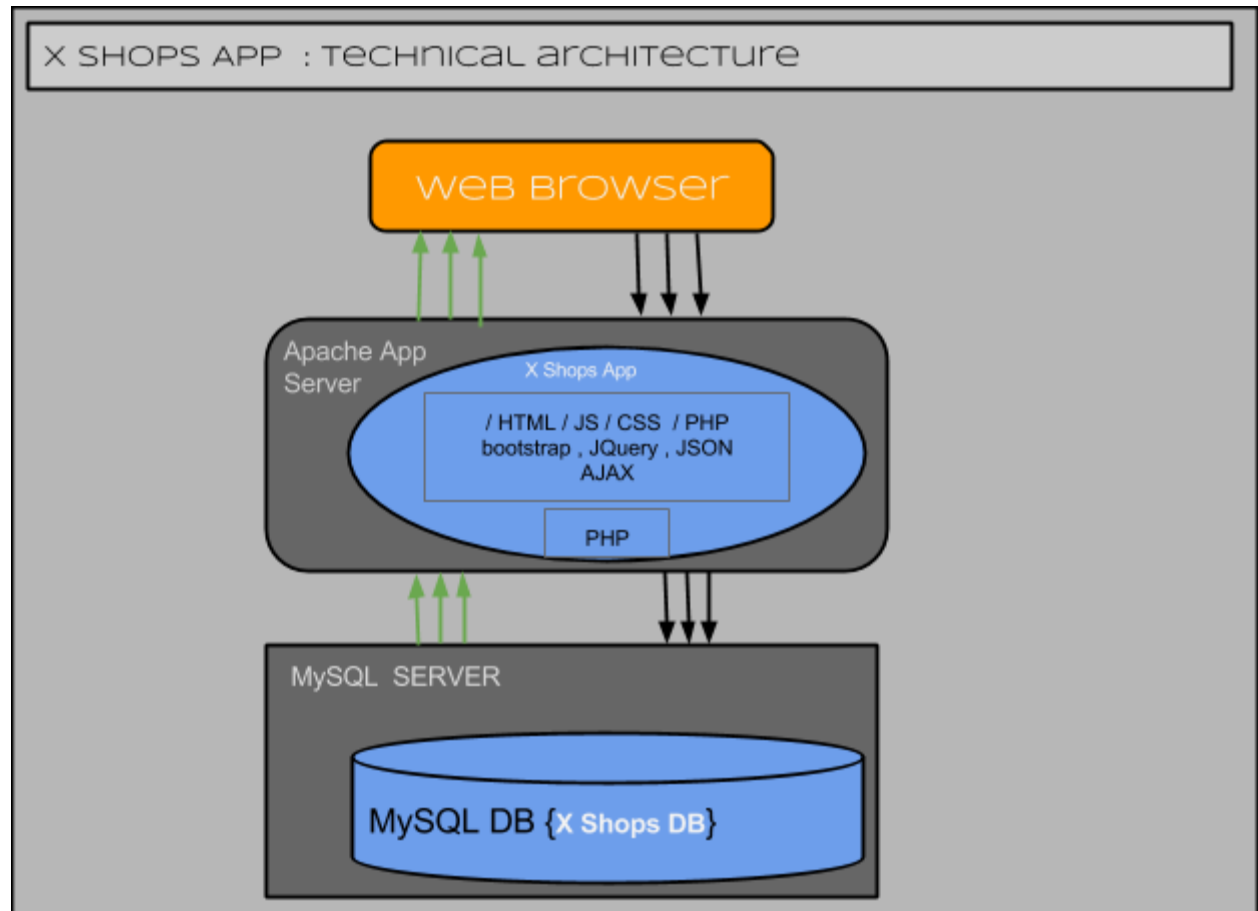
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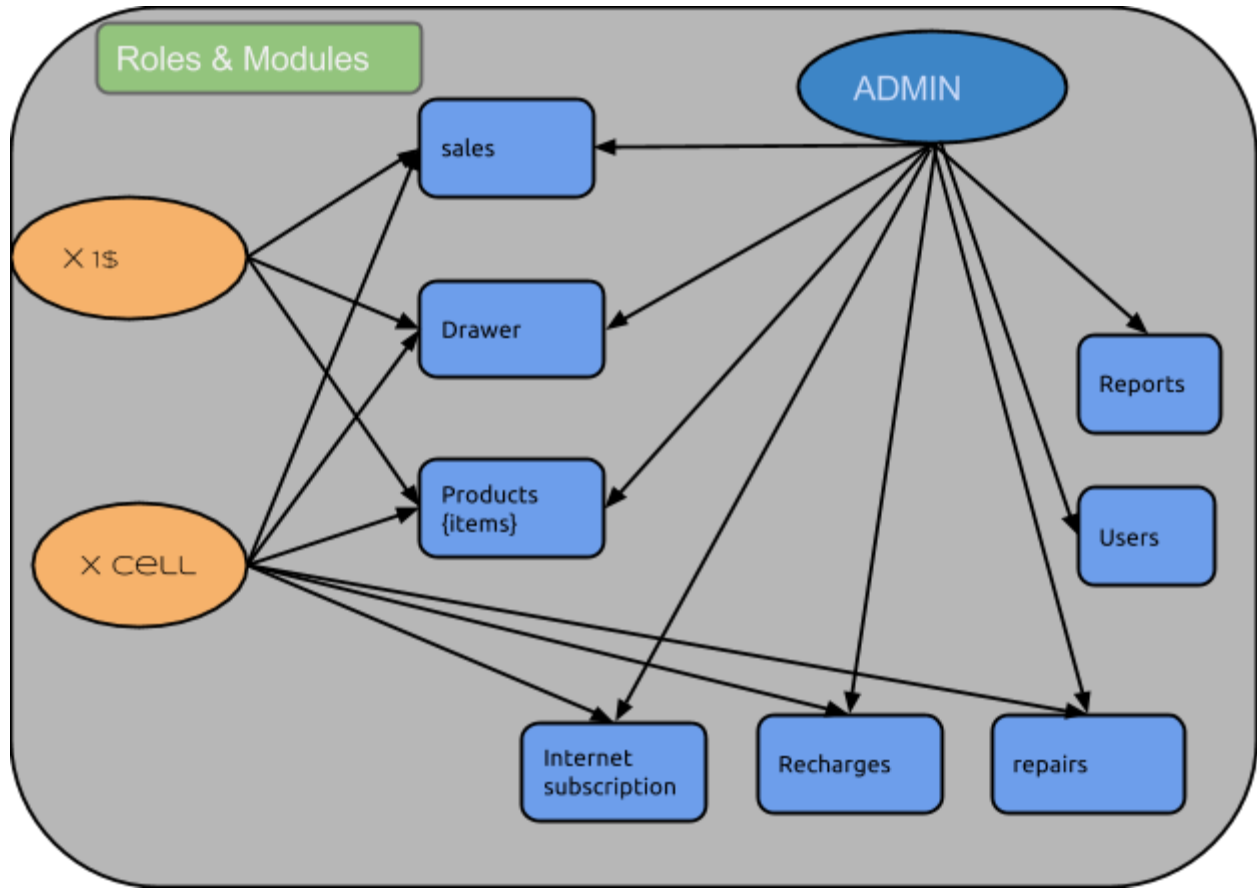
update history:

content :

1. Items Management.
2. User Management / Hr.
3. Sales.
4. Repairs.
5. Recharges.
6. Internet subscriptions.
7. Reports.
8. drawer.

System design :





1- Items Management

Object Item

This allows to define a new item in the system with the below attributes.
each item in the shop must be defined in the system.

id	
name	
brand	
unique serial no	
IMEI	

purchase price	
min price	
max price	
image file source	
description	
category	
added date	
specification	

new item related screens :

- [add new item.](#)
- [update an existing item](#)
- [browse all items](#)
- [search items](#)
- [delete item](#)

Object stock

This allows to add the defined items to the stock , so that the items are available in the shop , with specific quantity.

stock related screens :

- [view stock](#)
- [search stock](#)
- [remove item](#)
- [add new item](#)
- [update item](#)

stock id	
item id	
quantity	

last update date	
minimum quantity	

2- User Management / Hr

Object User

Hr module will manage users

the screen will allow to :

- [add new user](#)
- [remove user](#)
- [update a user](#)

id	
login name	
login password	
first name	
last name	
roles	[admin , mobile shop , one Dolar]

Object user log

id	
user id	
event time	
event type	[login, logout]
shop	[mobile, one dollar]

3- Sales.

Object order

id	
total	
date	
user id	
shop	[mobile, one dollar]
given cache	
returned cache	

Object order items

order id	
item id	
price	
quantity	
total price	

4- Repairs

Object repair Item

this process allows to manage repair inquiries.

screens :

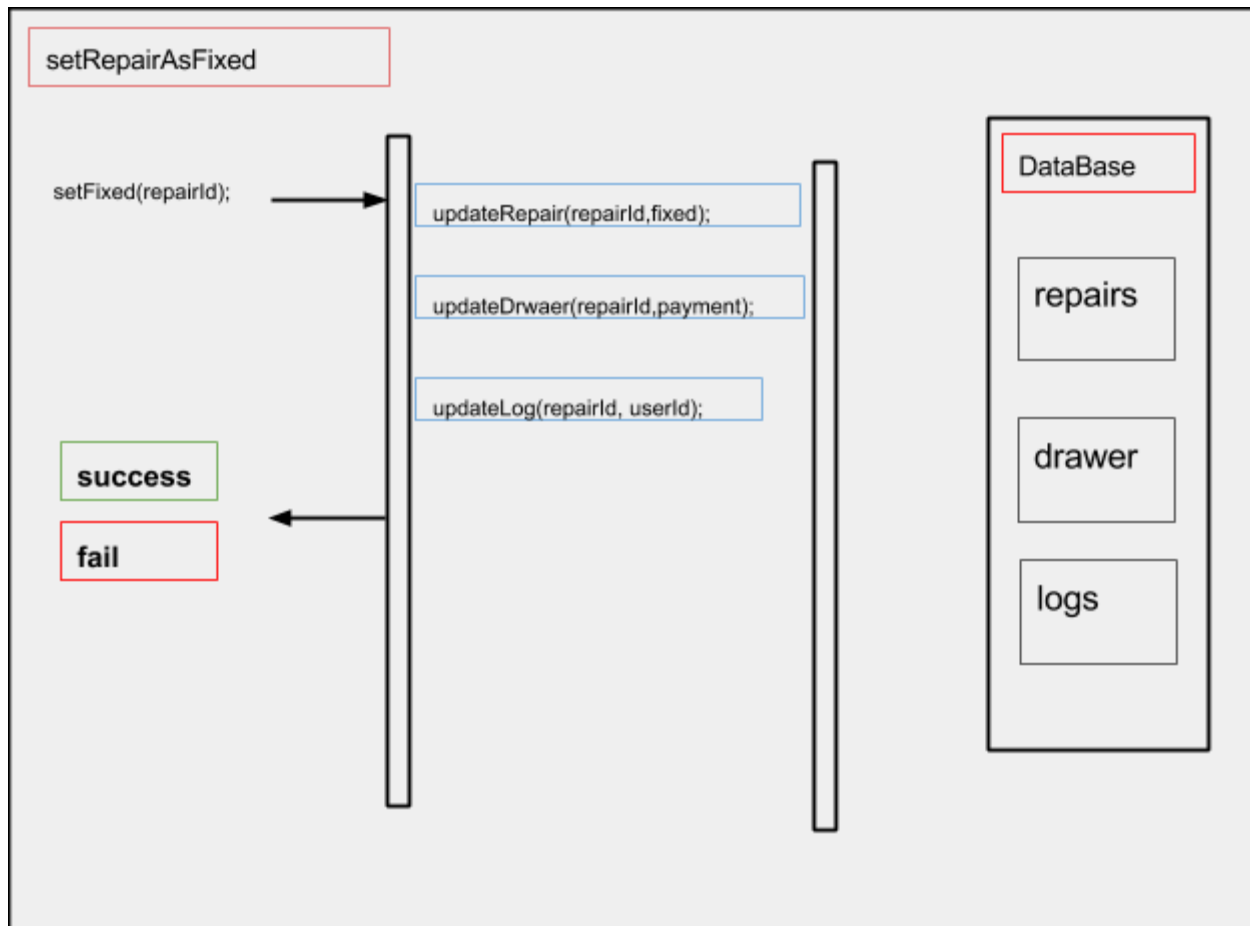
- [add new repair inquiry.](#)

id	
name	
owner name	
owner device	
item type	[mobile, pc , laptop , other]
serial number	
Imei	[when type is mobile]
brand	
status	[broken, fixed , pending,deleted]
cost	
problems ref	[problems]
description	
cost deposit	
cost remaining	
expected date	
fix notes	
cost paid	[true ,false]
deletion reason	[required when status changed to deleted]

= update repair inquiry.

status	[broken, fixed , pending]
cost paid	[true ,false]

when changing status to fixed use case :



= browse all repair inquiries.

= delete repair inquiry.

deletion reason	[required when status changed to deleted]
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object problems

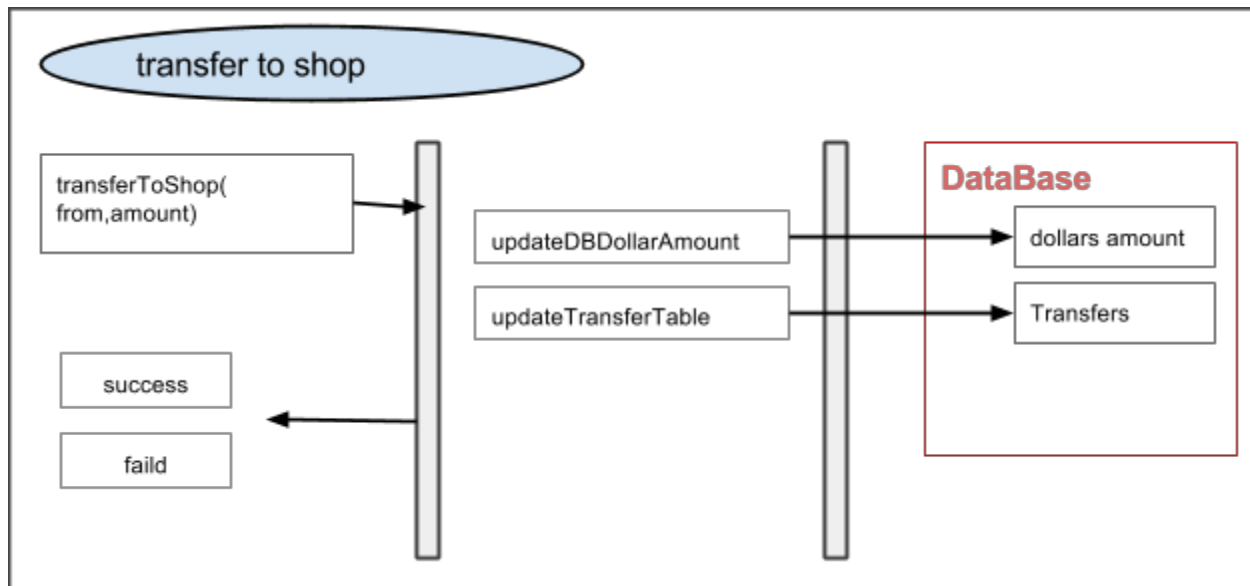
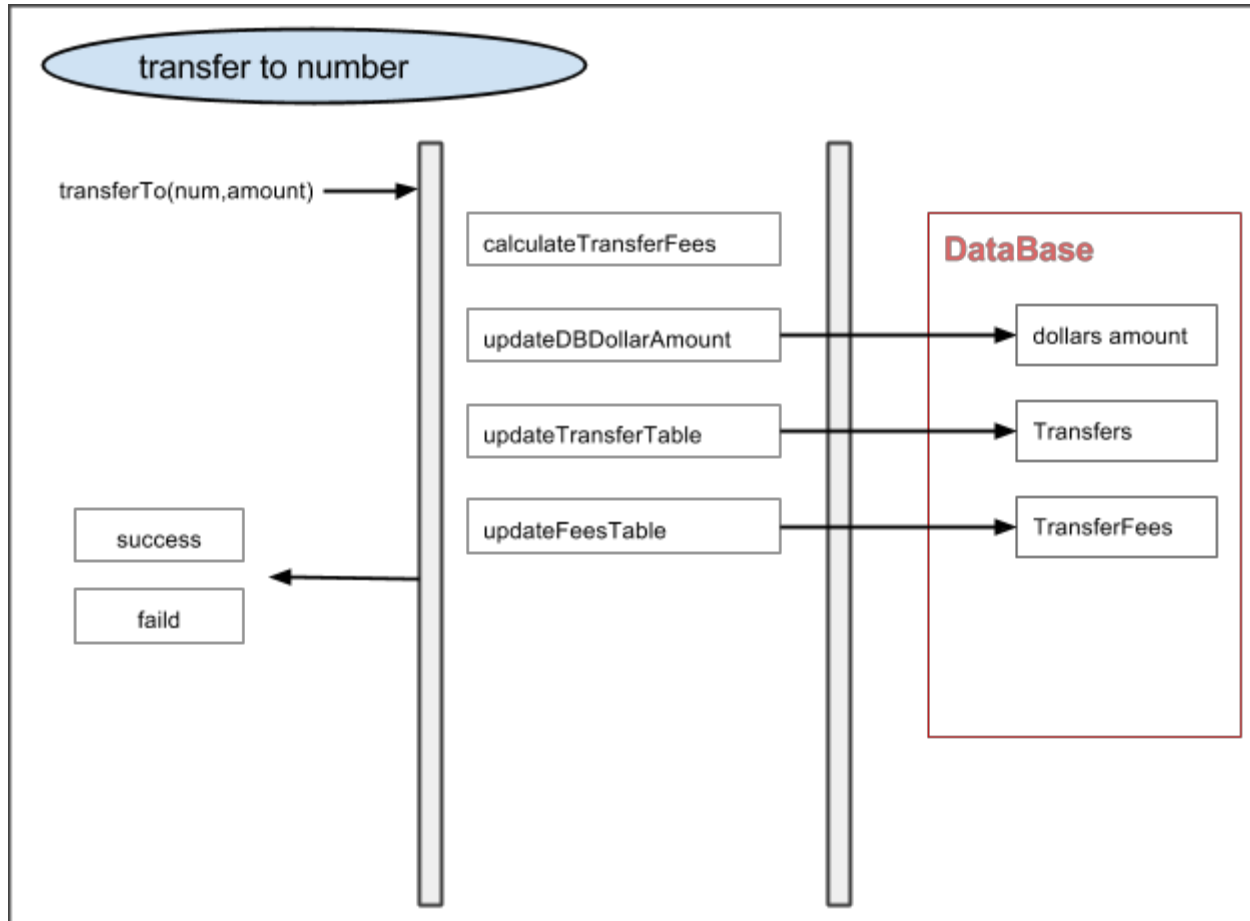
repair id	
problem	
status	
additional cost	
description	

5- Recharges

modul : recharge

This module allows to manage mobile recharging process ,
but not recharge cards sell

- transfer to shop.
- transfer from shop.
- transfer day.
- define transfer fees.



transfer

id	
date	
type	[in, out]
amount	
operator	
cost	
fees	
number_from	[optional]
note	

6-Internet Subscriptions.

Object internet subscriptions

this process allows to manage internet subscription payments.

screens :

- add new subscriber.
- update subscriber.
- browse all subscribers.
- search subscribers.
- delete subscriber.
- payment notification
- monthly payment view.
- graph view for not paid yet users.

id	
name	
last name	
phone number	
subscription type	[packages]
serial number	
Imei	
brand	
status	
cost	
problems ref	
description	
deposit	
remaining	
expected date	

fix notes	
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7-Reports

Object Reports

Manage and generate reports , benefits , loses , sales screens :

- daily sales , benefits ,amount.
- weekly sales , benefits ,amount.
- monthly sales , benefits , amount.
- per-shop sales , benefits ,amount.
- custom range of time report , benefits ,amount.
- daily repairs, benefits ,amount.
- weekly repairs, benefits ,amount.
- monthly repairs, benefits , amount.
- custom range of time report , benefits ,amount.
- daily user actions , per-shop ,
- custom date , user actions , per-shop

[illegible]

8- Drawer.

Object Drawer

The Drawer Module manages the money cache paid , remaining checking return amounts for helping the cashier

screens :

- set the initial Drawer amount (admin).
- view daily in amount(optional [admin , user]).
- view current amount.
- display the return amount when sell action occurs.
- view drawer amount for specific day.(admin)

id	
date	
shop	
user id	
amount	
in amount	
out amount	
currency	
notes	