Fpt University

ĐẠI HỌC FPT

Medical Store Billing

Nhóm 4:

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1. Problem definition

Now there are many Medical Stores around the world, in a country … Each store has many business activities: buying goods from distributors; selling medicines to dealers or customers; managing store; processing orders and paying bills … Each of the Medical Stores system found there way different organizations.
The Medical Stores in each country is organized and how different activities, depending on the characteristics of each country.

RS Medical Agencies is a General Medical Store, which buys and sells the medicines as per the requirement of the customer. It has so many dealer ships from which the medicines are purchased and also some of the medicines it gets directly from the company and some of them from the wholesale retail shops. For the past few months they are facing difficulties in the current system for tracking down the details of the available and that of the sold due to the increased consumption of the medicines.

So they had approached you to study the situation and resolve their difficulties in maintaining the records of the sold ones and that of the available and also to track down the details of the Payments done to the distributors, received from the customers, etc… and also to track down the information of the quantity of the stock available and that of the purchasable.

This application will solve all of them: holding the complete information about the drugs, dealers, and wholesale retailers in a modular form so as to make a convenient approach to track all the records maintaining the list of the order requests so as to deliver in time to the corresponding customer.

2. Customer Requirement Specification.

- Help user to log in depends on their user type. Each user can change his/ her password. Depending on the type of manager that their powers will be different.
- Create, update, delete - view guest
    - All users can use this module
  - Medicine management: create, insert, update, delete - view goods
      - Only manager can use this module.
      - Medicine management have the highest administrator
  - Create, delete, view and edit orders
      - Only seller and manager can use this module
      - Users can choose guest from guest table
- Create, delete, search, view and edit bills to import goods, bills to export (depends on order's priority, available goods …)

- Only accountant and manager can use this module
- User can choose in order to create an export bill or create a customized bill
- Because orders are arranged with some conditions so user can choose easily
- System can show status of each bill created, how much money the guest will pay in the next time, has massage to alert bills became expired, etc.

• When users delete, update a records, there is an alert to confirm that they are sure or not
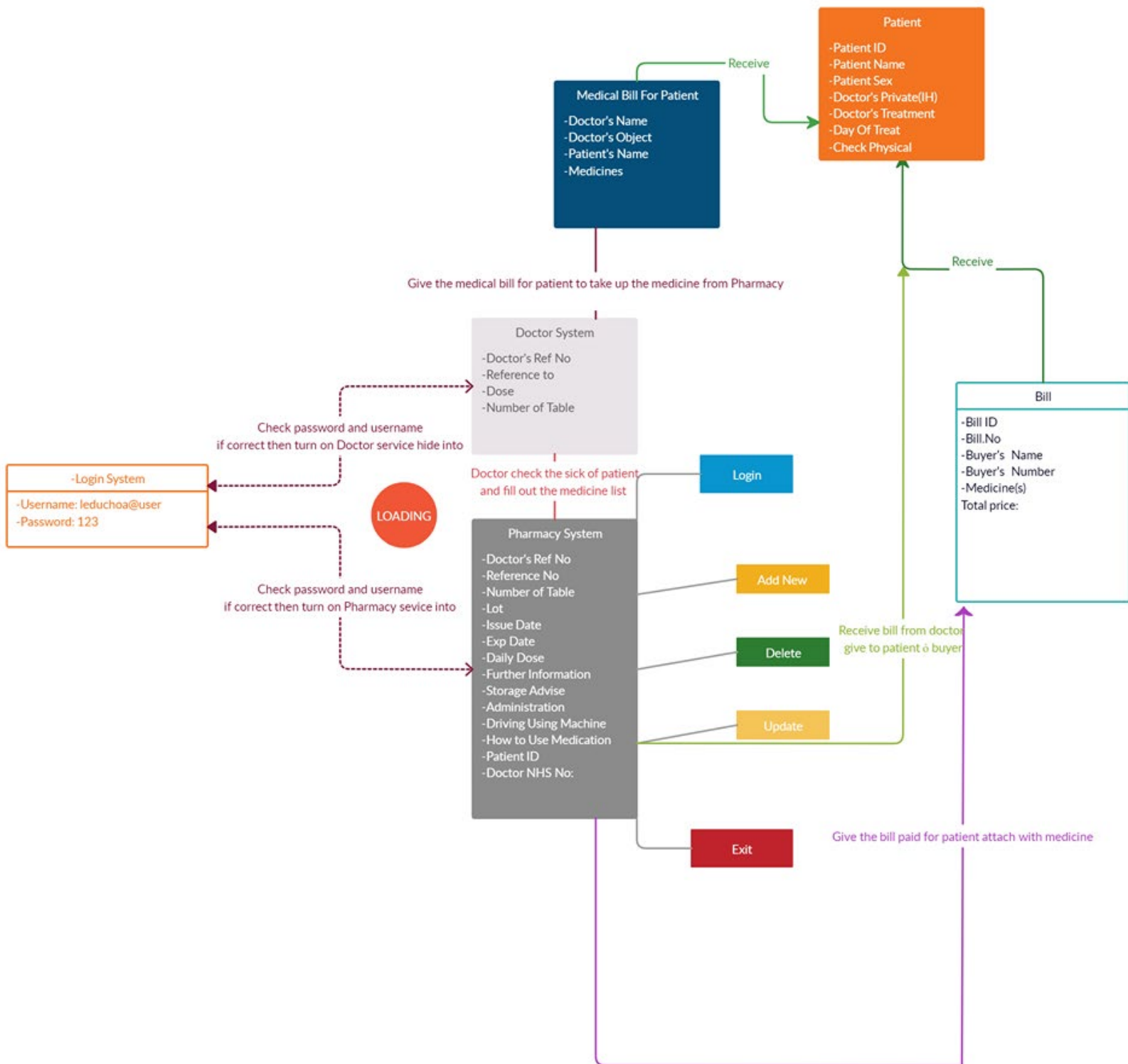
3. Project Plan.

Design a UI for user – manager – patient, they can
    Login: each patient have a account.
    They can see doctor online
    They can create infor of themselves

4. Data Flow Diagram

Patient

- Patient ID
- Patient Name
- Patient Sex
- Doctor's Private(IH)
- Doctor's Treatment
- Day Of Treat
- Check Physical

Medical Bill For Patient

- Doctor's Name
- Doctor's Object
- Patient's Name
- Medicines

Receive

Give the medical bill for patient to take up the medicine from Pharmacy

Doctor System

- Doctor's Ref No
- Reference to
- Dose
- Number of Table

Check password and username
if correct then turn on Doctor service hide into

Login System

- Username: leduchoa@user
- Password: 123

LOADING

Check password and username
if correct then turn on Pharmacy sevice into

Doctor check the sick of patient
and fill out the medicine list

Login

Pharmacy System

- Doctor's Ref No
- Reference No
- Number of Table
- Lot
- Issue Date
- Exp Date
- Daily Dose
- Further Information
- Storage Advise
- Administration
- Driving Using Machine
- How to Use Medication
- Patient ID
- Doctor NHS No:

Add New

Delete

Update

Exit

Receive

Bill

- Bill ID
- Bill.No
- Buyer's Name
- Buyer's Number
- Medicine(s)
Total price:

Receive bill from doctor
give to patient ỏ buyer

Give the bill paid for patient attach with medicine

5. Demo

MEDICAL STORE BILLING

Doctor

Pharmacy

Patient

Payment

GPA

Office

Login Systems

Username

Password

Login   Cancle   Exit

Surgery

Hospital

Specialist

Consultant

Help

Feed back

Maintain

With Admin

With normal User

MEDICAL STORE BILLING

Doctor

Pharmacy

Patient

Payment

GPA

Office

Login Systems

Username [   ]

Password [   ]

| Login | Cancle | Exit |

Surgery

Hospital

Specialist

Consultant

Help

Feed back

Maintain

Doctor's Ref No	K111569 ▼		Medical central ref:	HRC192168
Doctor NHS No	Dr1440468		Phone 1:	0256333222
First name	Hoa		Phone 2:	0111231269
Last name	Lee		Fax NO:	0209458954
Patient ID:	201900016		Email address:	aLDCE140469@fpt.edu.vn
Medical cental name	Sillicon Medical Cent		Patient NHS num:	000-169
Address centra	35/53/25 Yellow leaves		Patient's phone:	078961258
Post cod	CT135		Patient's symptom:	Can't Sleep

Message

ⓘ No data to delete!!!

[OK]

[Delete] [Update] [Doctor] [GP Appointm...] [Pharmacy] [Login] [Exit]

Doctor's R...	Doctor NH...	First Name	Last Name	Patient ID	Medical ce...	Address c...	Post code	Medical ce...	Phone 1	Phone 2	Fax	Email add...	Patient's p...	Patient's s...

Doctor's Ref No	Q663112 ▾		Medical central ref:	HRC192168
Doctor NHS No	Dr1423662535		Phone 1:	033014781
First name	Ahihihhi		Phone 2:	0175632164
Last name	Sthoy		Fax NO:	0209784154
Patient ID:	225213151		Email address:	HoaLDCE140469@fpt.edu
Medical cental name	Sillicon Medical Central		Patient NHS num:	000-925
Address centra	35/53/25 Yellow leaves street		Patient's phone:	0651235158
Post code	CT135		Patient's symptom:	Vomiting

[Delete] [Update] [Doctor] [GP Appointm...] [Pharmacy] [Login] [Exit]

Doctor's R...	Doctor NH...	First Name	Last Name	Patient ID	Medical ce...	Address c...	Post code	Medical ce...	Phone 1	Phone 2	Fax	Email add...	Patient's p...	Patient's s...
Doctor's R...	Doctor's R...	Lee		201900016	HRC1921...	02563332...	01112312...	Sillicon Me...	125/35/53/...	CT135	02094589...	HoaLDCE...	000-169	078961258	Can't Sleep
Doctor's R...	Doctor's R...	Hoy		225300151	HRC1921...	033467981	01012112...	Sillicon Me...	125/35/53/...	CT135	02097841...	HoaLDCE...	000-987	06541421...	Easy Cry
Doctor's R...	Doctor's R...	Sthoy		225213151	HRC1921...	033014781	01756321...	Sillicon Me...	125/35/53/...	CT135	02097841...	HoaLDCE...	000-925	06512351...	Vomiting
Doctor's R...	Doctor's R...	Sthoy		225213151	HRC1921...	033014781	01756321...	Sillicon Me...	125/35/53/...	CT135	02097841...	HoaLDCE...	000-925	06512351...	Vomiting

Name of Tables		Amlodipine ▾		Possible Side Effec		Breathing
Reference No:		ACM001237		Further Information		Can Tho
Dose:		5		Stogare Advise:		Les than 20%
Number of tablets:		27		Adminstration:		Yes, action
Lot:		201900015		Driving Using Mach		ACM001234
Issued		6/5/2018		How to Use Medica		Eat rice
Exp Da		7/12/2019		Patient ID:		P0004
Daily C		4		Doctors NHS No:		51236

Delete	Update	Doctor	GP Appointm...	Patient	Login	Exit

Name of Ta...	Reference ...	Lot	Issued Date	Exp Date	Daily Dose	Further Infor	Store Advise	Admin	Driving Usi...	How to Use	Patient ID	Doctor No	Possoble S...
ACM001234	ACM001234	23	Ibuprofen	201900015	Bleeding	Can Tho	Les than 2...	6/5/2018	7/12/2019	4	Yes, action	ACM001234	Use water, ...
ACM001234	ACM001234	24	Co-codamol	201900016	Sleeping	Can Tho	Les than 1...	20/5/2018	1/09/2019	3	Yes, action	ACM001235	Read book
ACM001236	ACM001236	25	Paracetamol	201900015	Stomache ...	Can Tho	None	01/09/2018	26/12/2019	4	Yes, action	ACM001239	Don't eat s...
ACM001237	ACM001237	27	Amlodipine	201900015	Breathing	Can Tho	Les than 2...	6/5/2018	7/12/2019	4	Yes, action	ACM001234	Eat rice