Web based applications for labrotary management

goals:
1.management machines and tools for medical laboratory
2.management patient's test
3.management schedule for patient's tests or for user dates
4.give statistic state of how labrotary work and how patient health(I dot know how but I will try on this a broach)
5.send feedback to patient about test and report patient with some knowledge of patient state (some site like "labtestsonline.org" give reports of what happen in each case of tests , this a aproach will be asked by doctors)

functionality of application

1.record all patients information and tests and store it
2.schedule the dates of laboratory's user.
3.records all laboratory associative stuffs like tools and machines and their price to make last year schedule

Scenarios

building system to manage laboratory which make the labrotary schedule and patient tests and labs tools organized as much as we can to make it ,the lab's user must have an account and paid for it ,the user could drop down all data for patients and for schedules and remainder for user's schedule ,search for patient tests in database, user send feedback to patient about patient's state if patient have email address .
SYSTEM ACTORS

user,admin,system

UseCase nimber	us-1
UseCase name	register
Overview	register new account to system
actor	user
Pre-condition	System is up, online app on browser
Scinario flow	1.open browser on ("labrotarymangge.org") 2.click register 3.insert name, password ,email,address,phonenumber and paid information 4.click register 5.display message for complete registration
Post conditions	

caseNumber	us-2
UseCase name	login
Overview	Login to system
Actor	user
Pre-condition	Have activate account on web app
Scenario flow	1.open app on browser 2.pick login 3.put email and password 4.if credintial is valid redirect to mainboard
Alternative flow	4a.email invaild 4b.email no in our database 4c.passowrd invalid 5dmore than 5 try call support center

useCase number	us-3
useCase name	add_patient
Overview	Add patient to database
Actor	User
Pre-condition	User already login to system
Scinario flow	1.add patient name,phoneNumber,email,addres 2.add type of tests 3.display pateient added to database
Alternative flow	3.a.test not found 3.a.patient exist in database
Post condition	

UseCase number	us-4
UseCase name	Insert result
Overview	Inser result of patient to dataabase
Actor	User
Pre-condition	User already login to system
Scinario flow	1.add result to every patient 2.store it to database 3.message said u success th job

Alternative flow	
Post condition	

UseCase number	us-5
UseCase name	Search
Overview	Search for patient in database
Actor	User
Pre-condition	User already login to system
Scinario flow	1.insert patient name in search box 2.patient info appear if pateint exist
Alternative flow	2.a.patient no found in database
Post-condition	

UseCase numer	us-6
UseCase name	add_tools
Overview	Add labrotary's tool to database with their price to make last year schedulle
Actor	User
Pre-condition	User already login to system
Scinario flow	1.add tool name alongside with price and date of buying tool 2.store it to data base 3.message said u success the job
Alternative flow	3.a. error in database 3.b. invalid date 3.c. invalid price 3.d. invalid name

Usecase number	us-7
UseCase name	Schedule

Overviews	Schedule dates to patient and user
Actor	User
Pre-condition	User already login to system
Scenario flow	1.pick user schdulle or patient schedulle 2.inserts date 3.if conflict in dates notification will appear to warn u 4. display success job
Alternative flow	4.a. conflict schedule 4.b. invalid dates

mvc

(model view control**) I will use this technique to implement the application ,model refer to data which I'll use (mysql) ,view refere to GUI which I'll use "html","css"and "javascript" and control refer to broach which connect these two I'll use "php".**

Sechdulle:
day 1 : create database and project structur and clone it to githup.