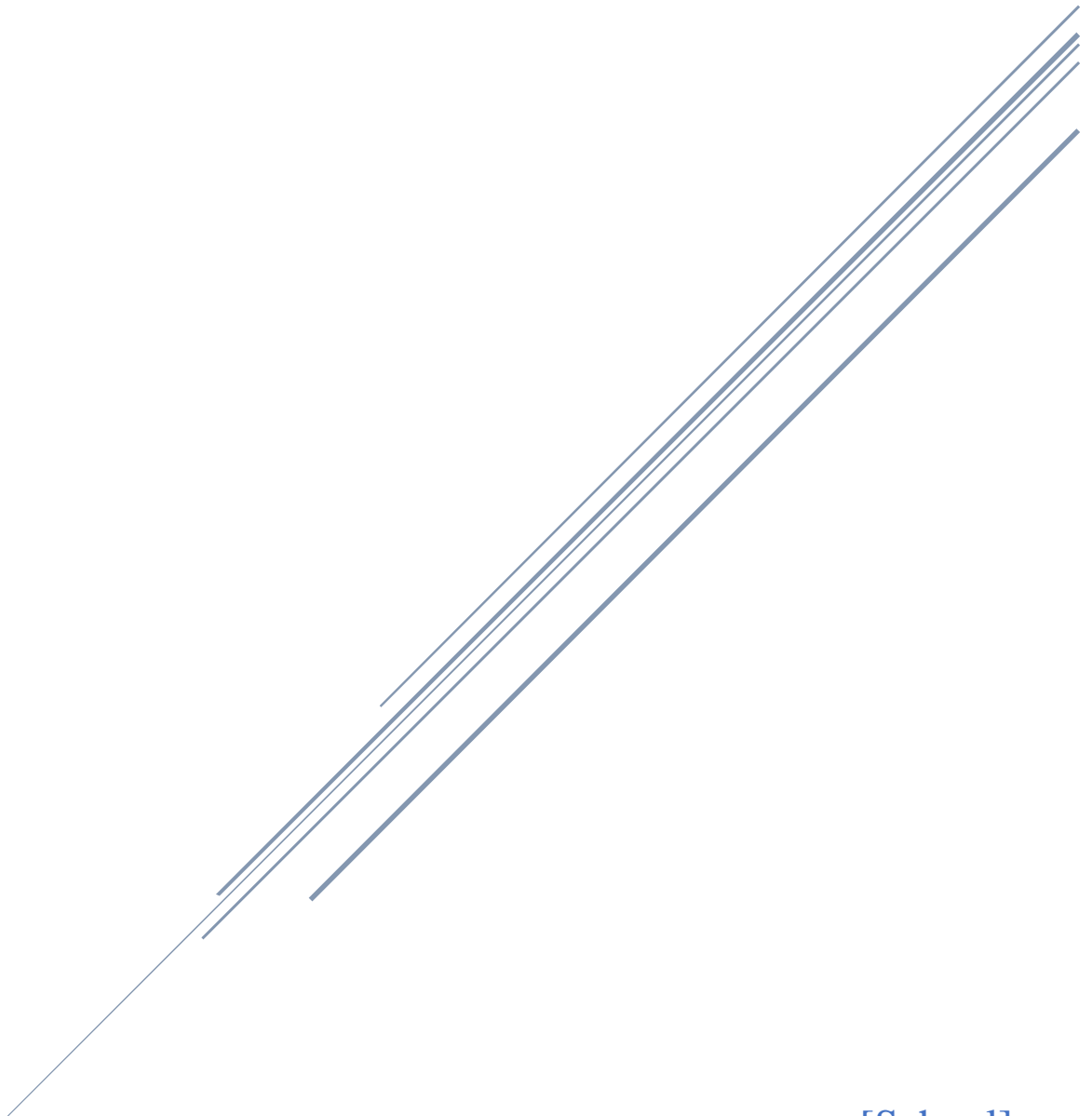


OOAD PHASE 1 – TEAM 5

Use Cases Documentation, Analysis Class Diagram and Use Case Diagram



[School]
[Course title]

Identifier		UC-1
Name		Add Doctor
Summary		It adds the doctor in the database.
Priority		Medium
Actors		Admin
Pre-condition(s)		Doctor is not present in the database.
Post-condition(s)		Doctor is added in the database and returns to menu.
Typical Course of Action		
S#	Actor Action	System Response
1	Select the option of Add Doctor.	
2		System prompts the user to enter the ID to be assigned to the doctor.
3	Enter the ID assigned to the doctor.	
4		System prompts to enter the name of the doctor.
5	Admin enters the name of the doctor.	
6		System prompts to enter the password of the doctor.
7	Enters password for the doctor.	
8		Displays "Enter the specialty of doctor if any".
9	Enter Specialty of the doctor.	
10	Click Save.	
11		System saves the doctor in the database.
Alternate Course of Action(Email already assigned)		
S#	Actor Action	System Response
1	ID assigned by the admin already belongs to a doctor.	
2		Display error message "Email already assigned".
3	Go to Step No. 2 (Typical Course).	

Identifier		UC-2
Name		Remove Pharmacist
Summary		It remove a pharmacist from the database.
Priority		Medium
Actors		Admin
Pre-condition(s)		Admin is logged in to the website.
Post-condition(s)		Pharmacist is deleted from the database and system returns to the menu.
Typical Course of Action		
S#	Actor Action	System Response
1	Selects option of delete pharmacist from the menu.	
2		Prompts the user to enter the ID of the pharmacist to be deleted.
3	Enters the ID of the pharmacist.	
4		Checks the ID from the pharmacists list available.
5		Deletes the pharmacist from the system if present and displays success message.
Alternate Course of Action(Pharmacist Not exist)		
S#	Actor Action	System Response
6		Displays "ID does not belong to any user" error message!
7	Go to step#3	

Identifier		UC-3
Name		Sign up
Summary		Creating a new account
Priority		High
Actors		Patient
Pre-condition(s)		No existing account
Post-condition(s)		System displays the login screen.
Typical Course of Action		
S#	Actor Action	System Response
1	Clicks on "Sign up button".	
2		Displays the form for signup and prompts to enter details.
3	Inputs all the mandatory details.	
4	Clicks submit button.	
5		Validates email, password and confirm password should be same.
6		Displays "Registration successful" message.
Alternate Course of Action (Wrong Email Format)		
S#	Actor Action	System Response
6		Detects wrong email address or unmatched password
7		Shows message "Enter credentials again".
8	Go to step#3.	

Identifier	UC-4	
Name	Diagnose Disease	
Summary	Called to compare symptoms of the patient to a disease and diagnose it.	
Priority	High	
Actors	Patient	
Pre-condition(s)	Patient is registered and logged in.	
Post-condition(s)	Doctor is added to the currently available list of doctors.	
Typical Course of Action		
S#	Actor Action	System Response
1	Patient clicks on the diagnose option in the selection menu.	
2		The system prints multiple symptoms for different diseases.
3	Patient selects the symptoms that match his/her condition.	
4		The system stores those symptoms corresponding to that patient and tries to find a disease that matches those symptoms.
Alternate Course of Action (Less symptoms entered than required)		
S#	Actor Action	System Response
5		The system displays an error message and prompts the user to enter or select at least 3 symptoms.
6	Go to step#3	

B Identifier	UC-5	
Name	Login	
Summary	Makes the user logged in to the website.	
Priority	High	
Actors	Patient, Admin, Doctor, Pharmacist	
Pre-condition(s)	Actor must be registered.	
Post-condition(s)	The actor is now at the home page of the system.	
Typical Course of Action		
S#	Actor Action	System Response
1	User clicks on the login button.	
2		System opens a form and prompts for e-mail and password.
3	Fills in the required details.	
4		Validates e-mail and directs to home screen if verification is successful.
Alternate Course of Action (Invalid username and password)		
S#	Actor Action	System Response
5		System displays “Invalid credentials” error message.
6	Go to step#3	

Identifier	UC-6	
Name	Ask Medicine	
Summary	The patient asks for the medicine of the disease from which he/she is suffering.	
Priority	High	
Actors	Patient	
Pre-condition(s)	Patient is logged in and an assigned doctor has already diagnosed him/her with a disease.	
Post-condition(s)	The patient is removed from the current patient list.	
Typical Course of Action		
S#	Actor Action	System Response
1	The patient asks for the medicine by clicking on the Ask Medicine feature.	
2		The system checks the disease in the profile of the patient.
3		System then prompts the user to enter his/her age.
4	The patient enters his age.	
5		The system then prints alternate medicines to cure the disease along with the prescription.
Alternate Course of Action (No disease detected)		
S#	Actor Action	System Response
6		A message is displayed to notify the user that he/she doesn't need medications.

Identifier	UC-7	
Name	Remove Doctor	
Summary	Removing a doctor from website database.	
Priority	Medium	
Actors	Admin	
Pre-condition(s)	Admin must be logged in	
Post-condition(s)	Doctor is deleted from the database and homepage is displayed.	
Typical Course of Action		
S#	Actor Action	System Response
1	Select "Remove Doctor" option.	
2		Gives a prompt saying "Enter the ID of the doctor you want to remove?"
3	Inputs the ID of the doctor.	
4		Validates the doctor’s ID.
5		Displays success message saying "Doctor is removed" if it exists in the database.
Alternate Course of Action(Doctor does not exist in the database)		
S#	Actor Action	System Response
5		Displays error message saying “Doctor does not exist in the database”.
7	Go to step#3.	

Identifier	UC-8	
Name	Remove Patient	
Summary	Called to remove a patient from the system’s database.	
Priority	Medium	
Actors	Admin	
Pre-condition(s)	Admin must be logged in and at home page.	
Post-condition(s)	Database updated and Admin will be at home page.	
Typical Course of Action		
S#	Actor Action	System Response
1	Selects "Remove Patient".	
2		Prompts for ID and email of that particular patient.
3	Enters the username or email id.	
4		The particular patient is removed from the list and success message is displayed.
Alternate Course of Action (Invalid username or email id)		
S#	Actor Action	System Response
5		Displays error message.
6	Go to step#2.	

Identifier	UC-9	
Name	Demand Doctor	
Summary	Finding a doctor for patient	
Priority	High	
Actors	Patient	
Pre-condition(s)	Patient must be logged in.	
Post-condition(s)	Patient returns to the home screen of the system.	
Typical Course of Action		
S#	Actor Action	System Response
1	Select "Ask for Doctor"	
2		Gives a prompt saying "Which type of doctor you need?"
3		Displays a list of specialists available.
4	Selects the type of doctor.	
5		Assigns doctor to the patient if available.
Alternate Course of Action(No doctor available)		
S#	Actor Action	System Response
6		Displays a message saying "No doctor available at the moment".

Identifier		UC-10
Name		Rate Doctor
Summary		The patient can rate the doctor assigned to him/her.
Priority		Low
Actors		Patient
Pre-condition(s)		The doctor has diagnosed him/her with a disease.
Post-condition(s)		The rating of that doctor is updated and homepage is refreshed.
Typical Course of Action		
S#	Actor Action	System Response
1	Patient clicks on rating feature and assigns rating in stars to the doctor.	
2		The system calculates the rating given by the patient and updates the rating of the doctor accordingly.
3		System prompts the user to write a description regarding the given rating.
4	Patient enters the description.	
5		The description is stored with its corresponding rating by the system.
Alternate Course of Action (Multiple ratings)		
S#	Actor Action	System Response
1		A message is displayed saying, "Doctor already rated in the current session".

Identifier		UC-11
Name		add disease
Summary		The doctor adds disease into the system’s database.
Priority		Low
Actors		Doctor
Pre-condition(s)		Doctor must be registered and logged in and the disease to be added must not already be in the system.
Post-condition(s)		A new disease will be added to the database of the system and homepage is displayed.
Typical Course of Action		
S#	Actor Action	System Response
1	Clicks on the “Add Disease” button	
2		Prompts for name of Disease.
3	Enters name of disease.	
4		Prompts for symptoms.
5	Enters symptoms.	
6		Prompts for constraints.
7	Enters constraints.	
8		Displays message “Disease Successfully Added!”
Alternate Course of Action 1 (Disease already exists)		
S#	Actor Action	System Response
4		Displays “Disease already exists in the system”.

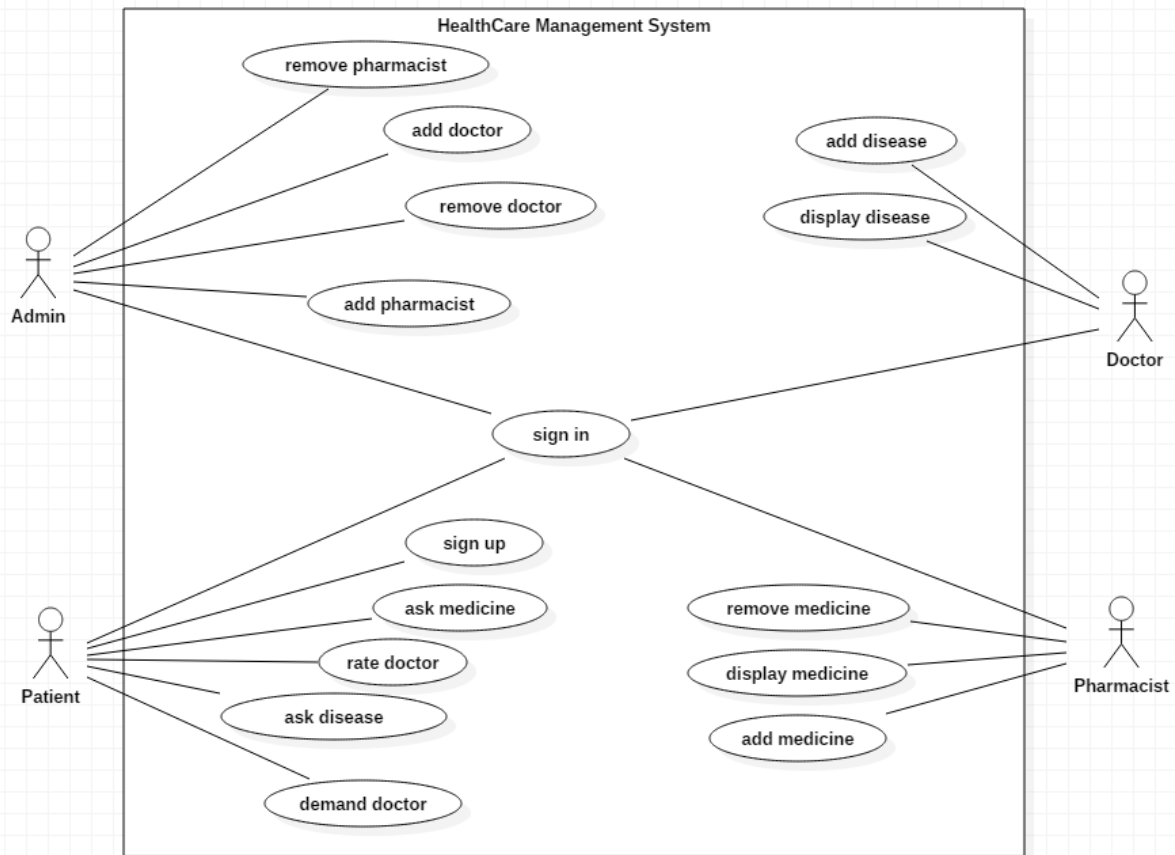
Identifier	UC-12	
Name	remove medicine	
Summary	The pharmacist removes any existing medicine from the system.	
Priority	Medium	
Actors	Pharmacist	
Pre-condition(s)	The Pharmacist must be registered and logged in and the Medicine to be removed must be present in the system.	
Post-condition(s)	The medicine will be removed from the system’s database.	
Typical Course of Action		
S#	Actor Action	System Response
1	Clicks the “Remove Medicine” button.	
2		Prompts for name of medicine.
3	Enters the name of medicine.	
4		Removes medicine.
		Displays message “Medicine removed”.
Alternate Course of Action 1 (invalid medicine name)		
S#	Actor Action	System Response
4		Displays message “No such medicine exists, enter valid name”.
	Go to step#3.	

Identifier	UC-13	
Name	add medicine	
Summary	The pharmacist adds new medicine into the system.	
Priority	High	
Actors	Pharmacist	
Pre-condition(s)	The pharmacist must be registered and logged in and the medicine to be added must not already be in the system.	
Post-condition(s)	The medicine will be added into the system’s database and homepage is displayed.	
Typical Course of Action		
S#	Actor Action	System Response
1	Clicks the “Add Medicine” button.	
2		Prompts for name of medicine.
3	Enters name of medicine.	
4		Displays “Enter diseases it can treat”.
5	Enters disease names.	
6		Displays “Medicine Successfully Added!”
Alternate Course of Action 1 (Medicine already exists)		
S#	Actor Action	System Response
7		Displays “Medicine already present in the system!”
8	Returns to the homepage.	

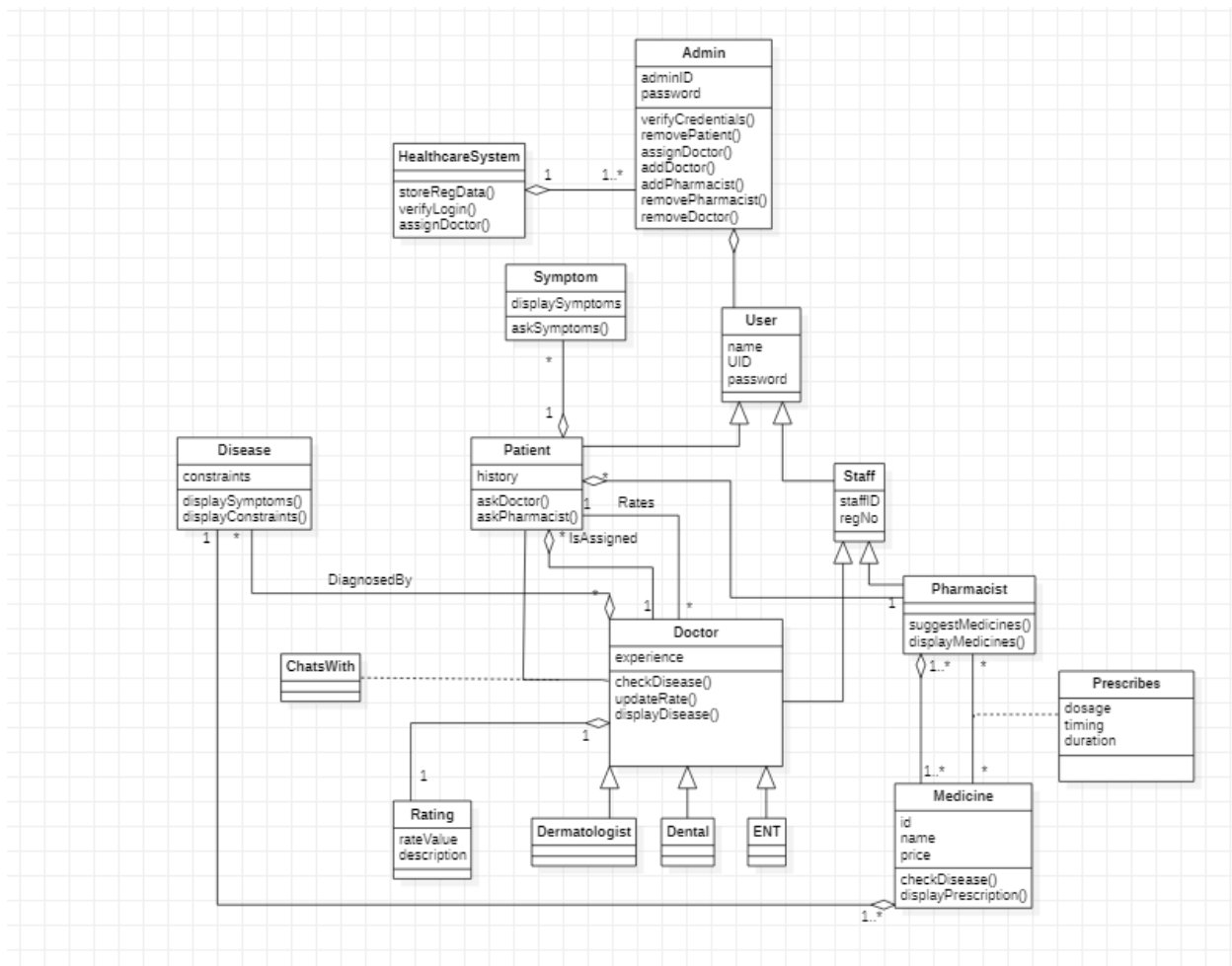
Identifier	UC-14	
Name	Display Medicine	
Summary	It will show all available medicines.	
Priority	Medium	
Actors	Pharmacist	
Pre-condition(s)	Pharmacist must be logged in	
Post-condition(s)	Pharmacist is redirected the medicine list page.	
Typical Course of Action		
S#	Actor Action	System Response
1	Select "Display medicine "	
2		Displays all the medicines which that pharmacist has in the database.

Identifier	UC-15	
Name	Display Disease	
Summary	It will display all diseases stored in the database.	
Priority	Medium	
Actors	Doctor	
Pre-condition(s)	Doctor must be logged in.	
Post-condition(s)	Doctor is redirected to the disease list page.	
Typical Course of Action		
S#	Actor Action	System Response
1	Select "Display Disease "option.	
2		Display all the diseases which are stored in the database.

Use Case Diagram

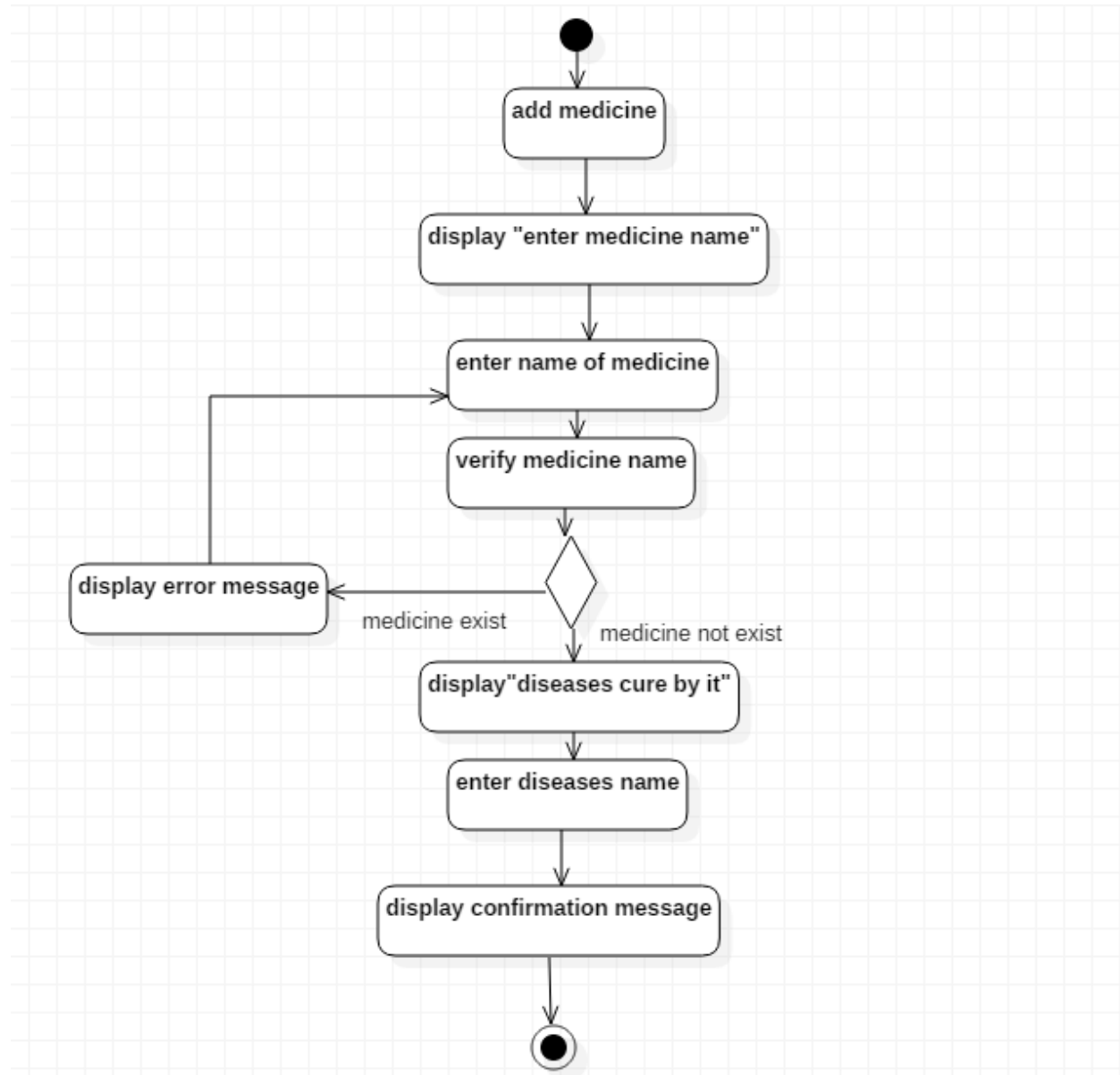


Analysis Class Diagram

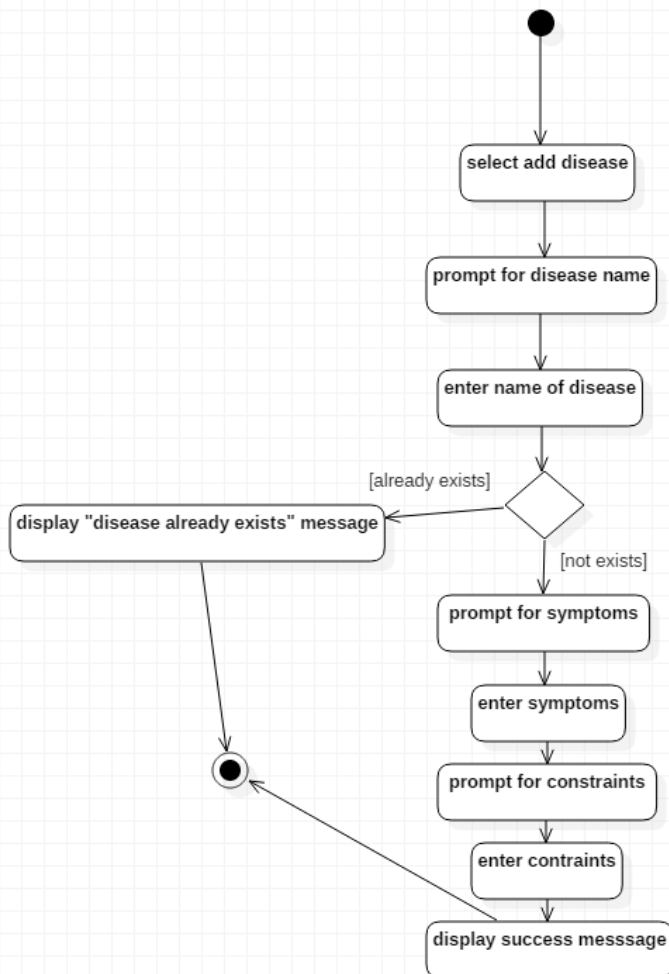


Use Case Representations

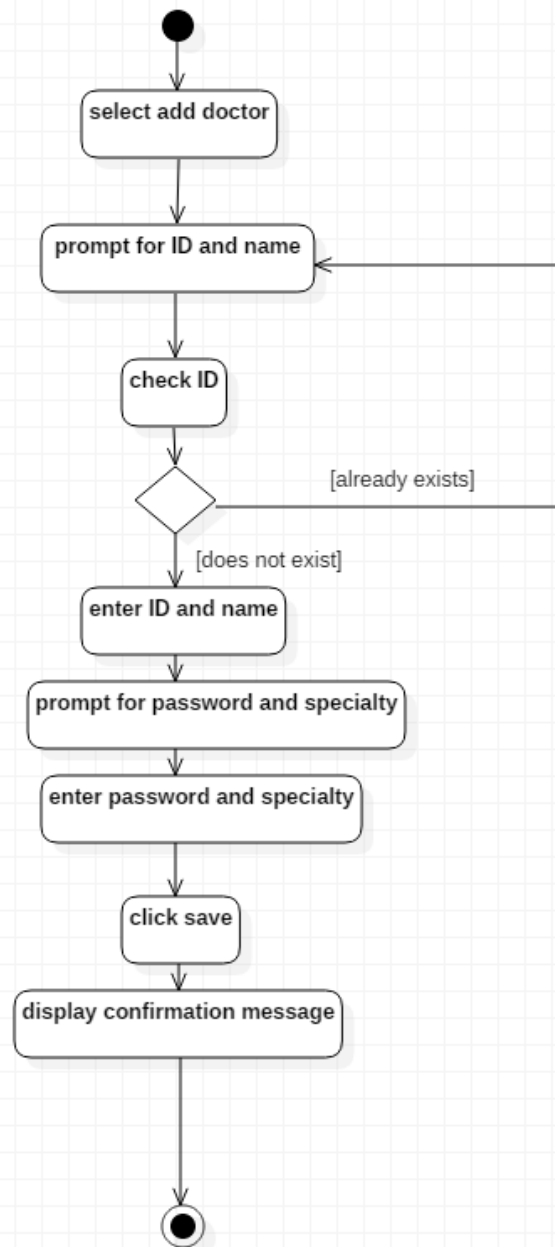
Add Medicine



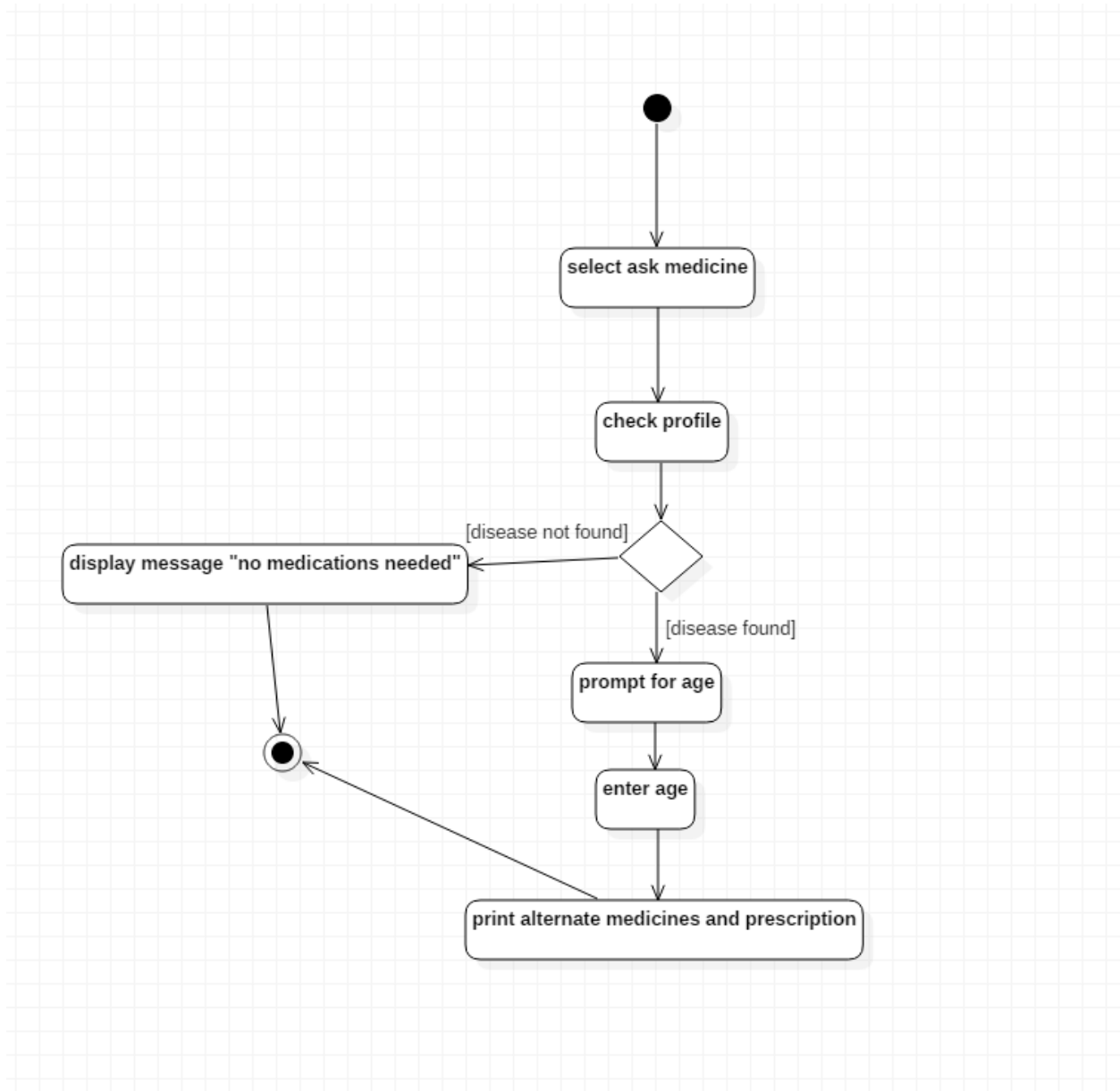
Add Disease



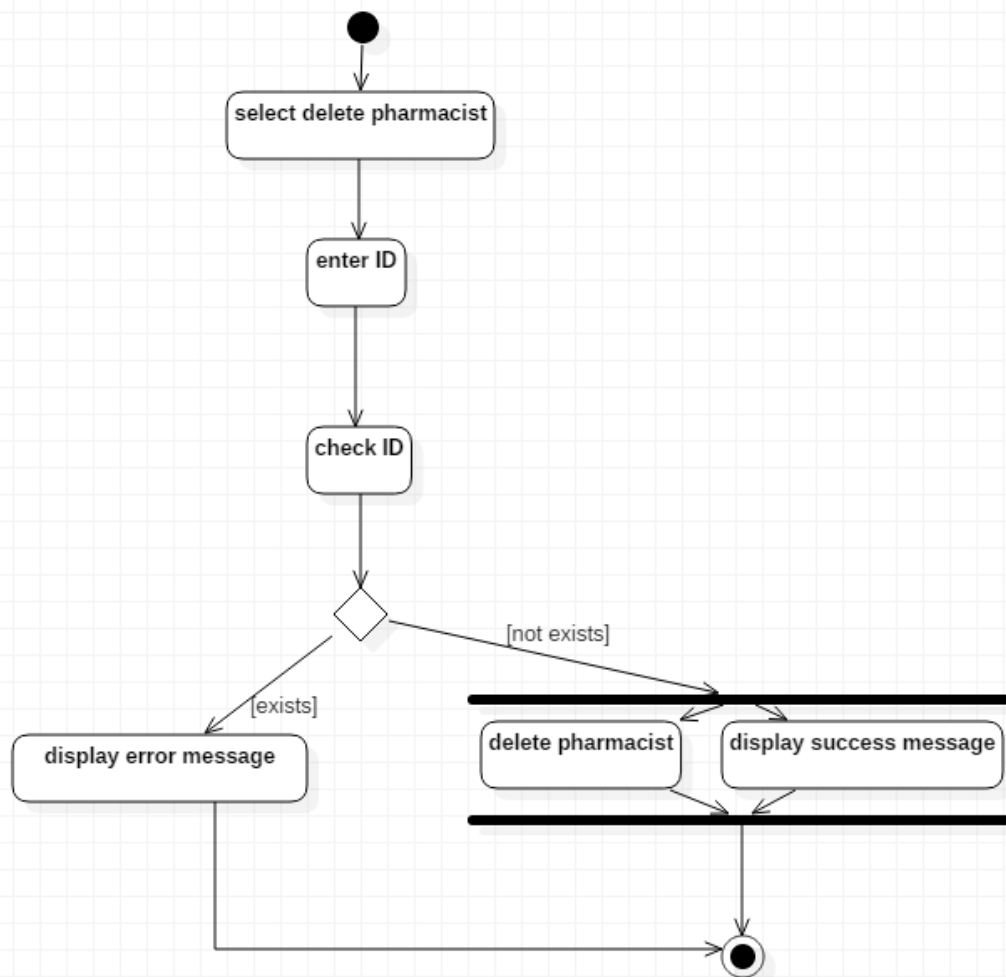
Add Doctor



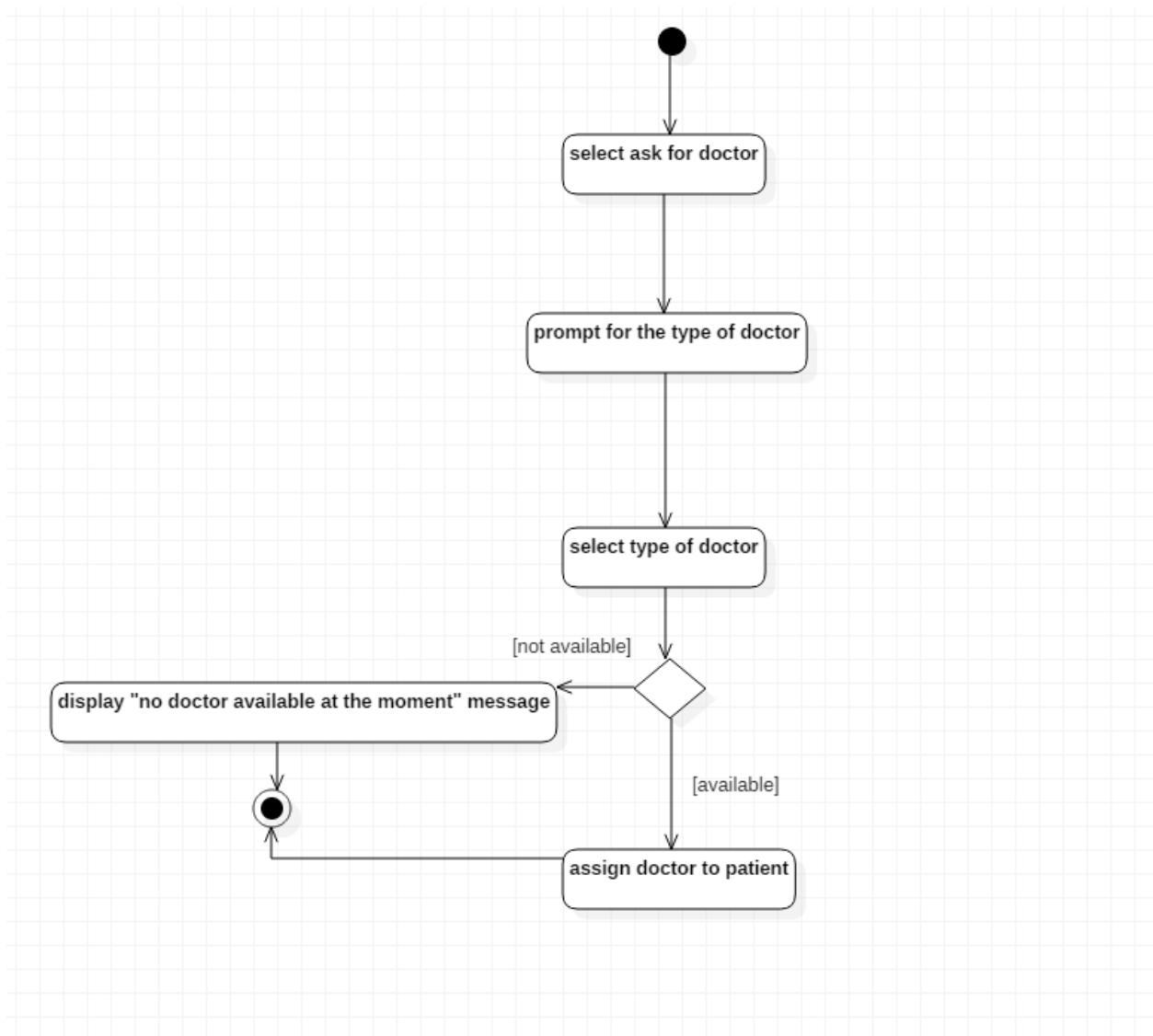
Ask Medicine



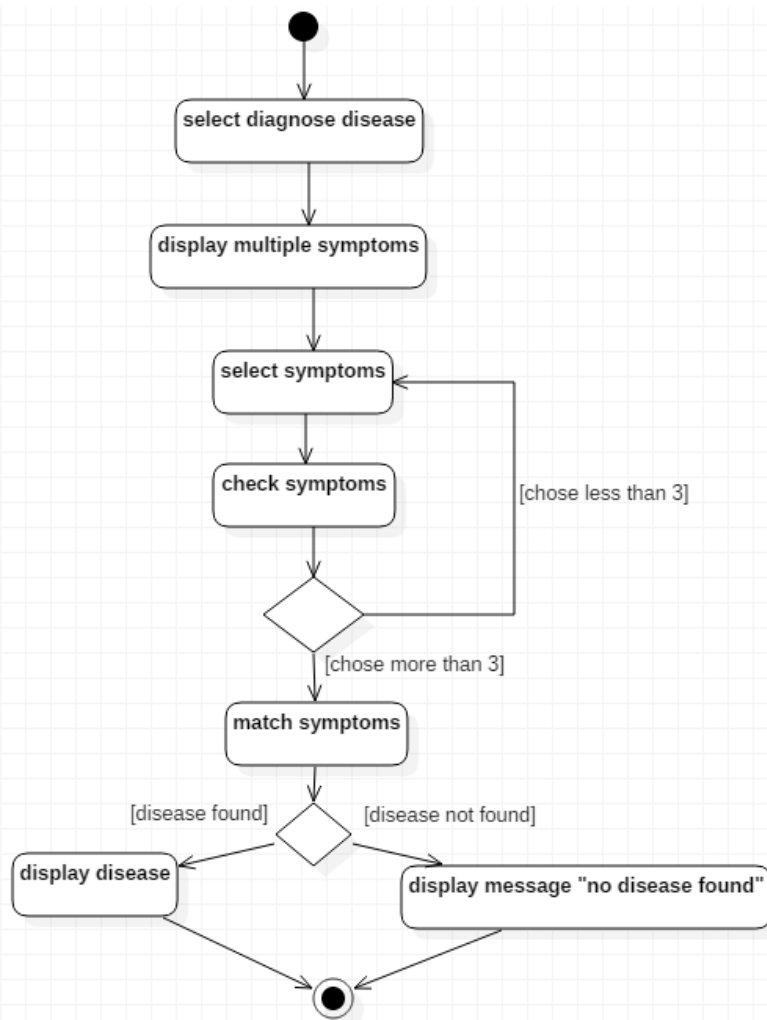
Delete Pharmacist



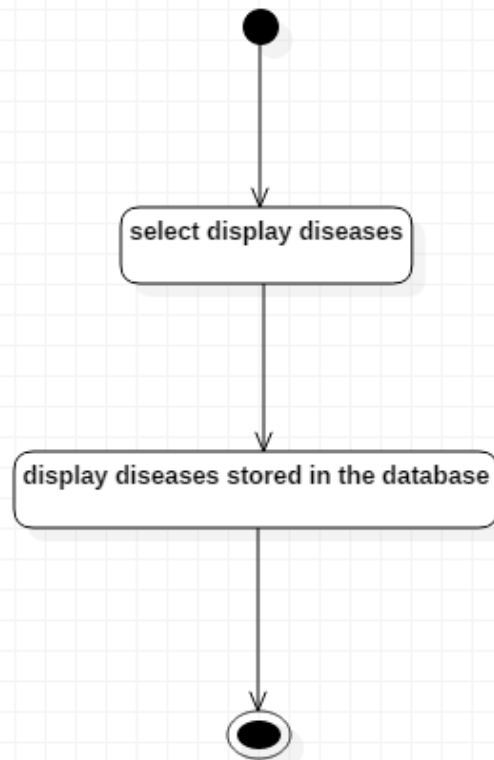
AskForDoctor



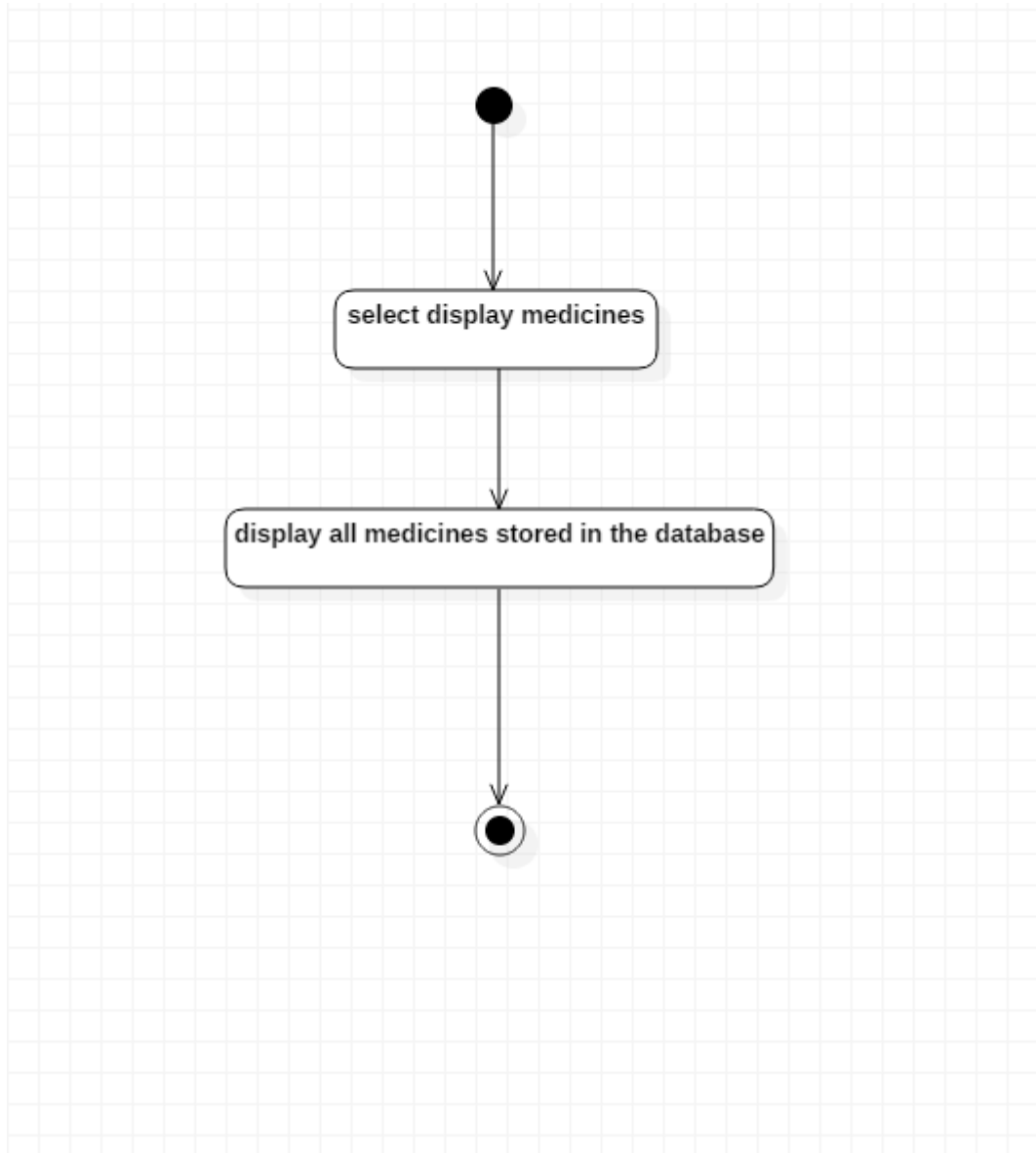
Diagnose Disease



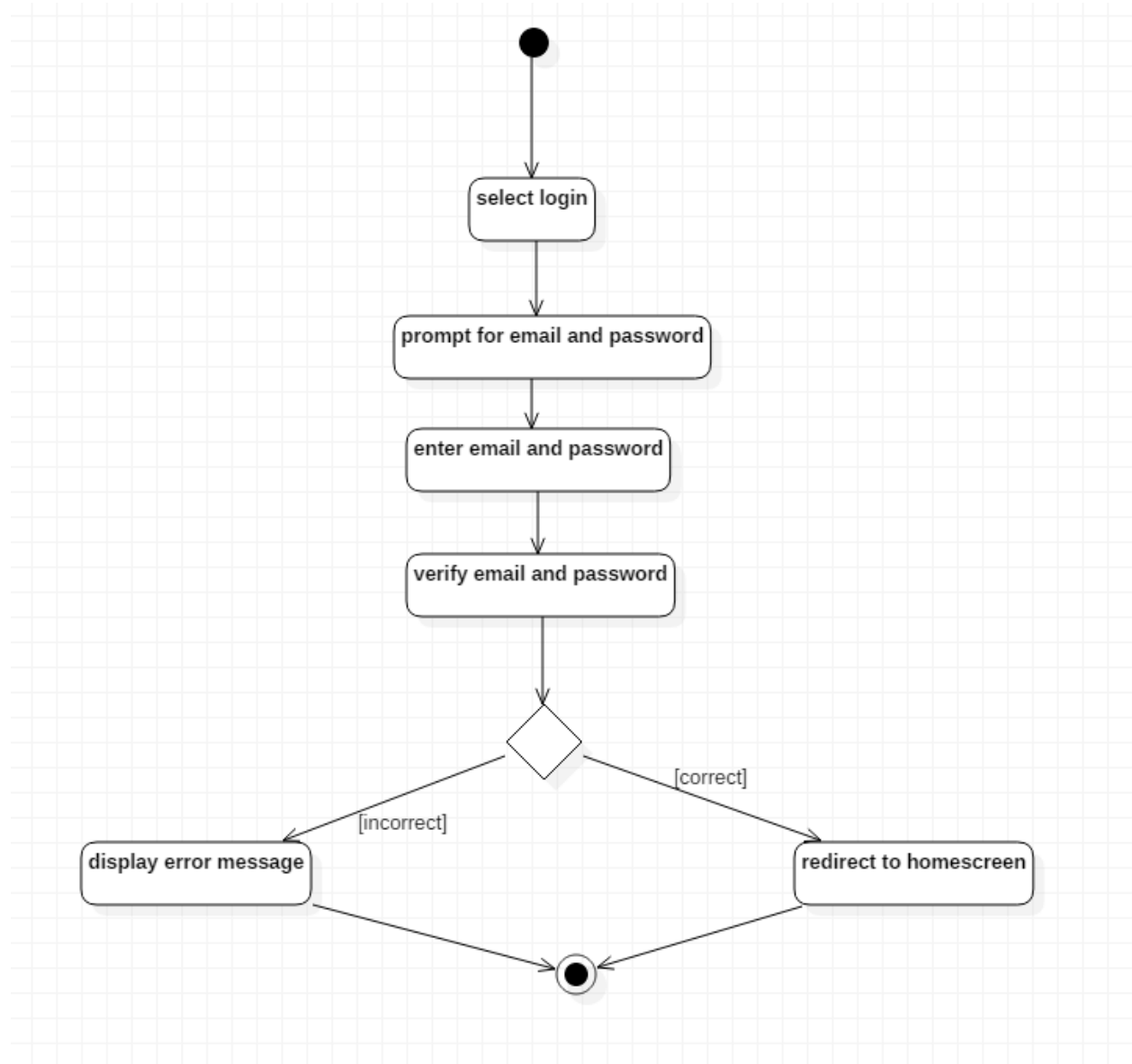
Display Diseases



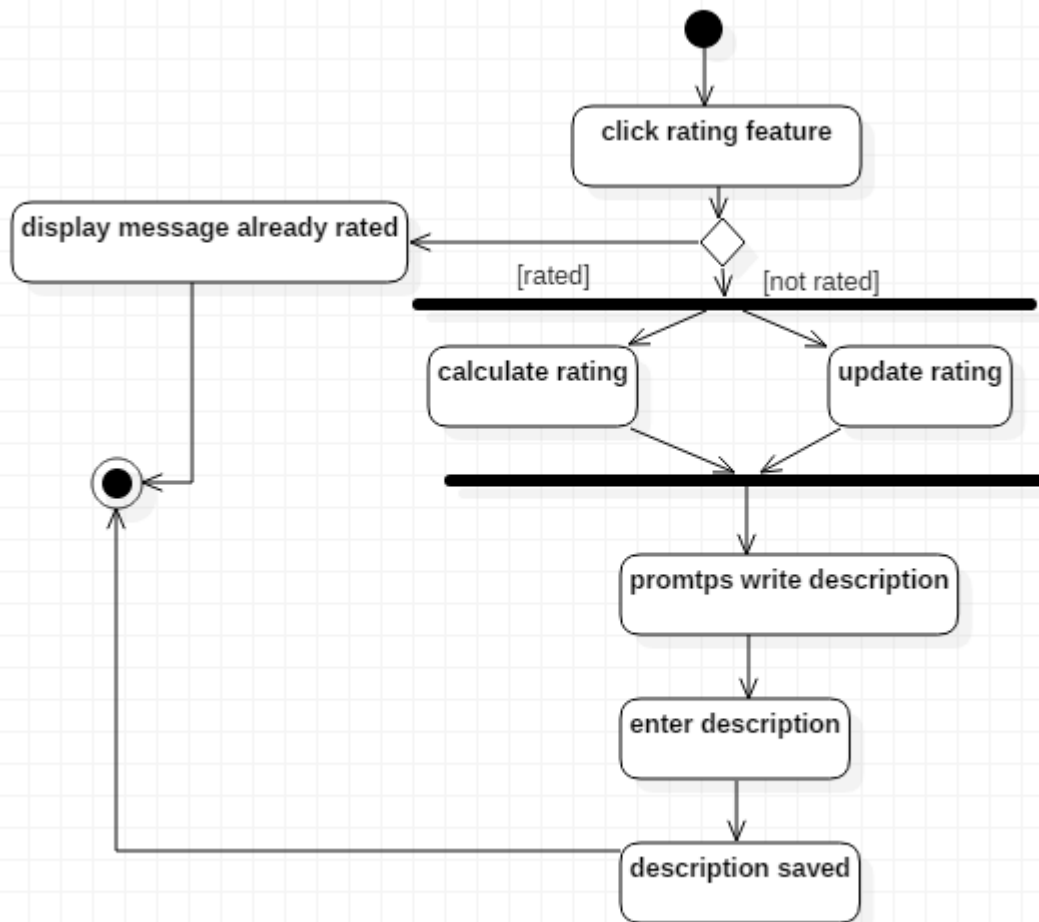
Display Medicines



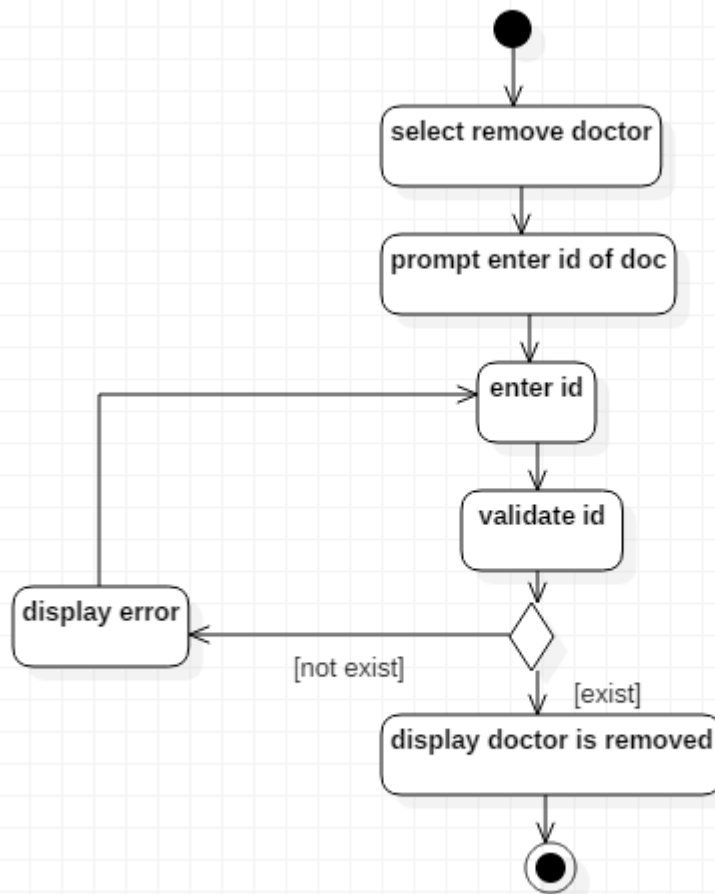
Login



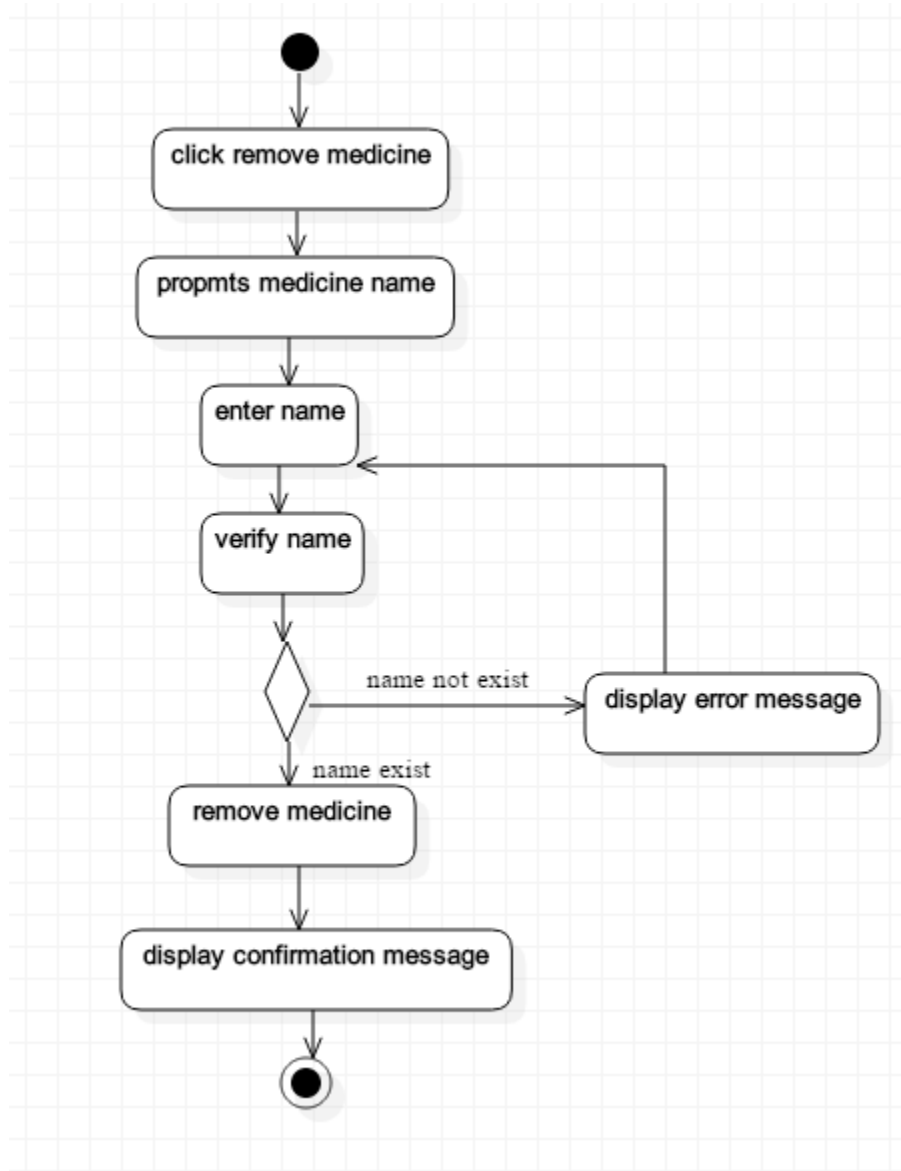
RateDoctor



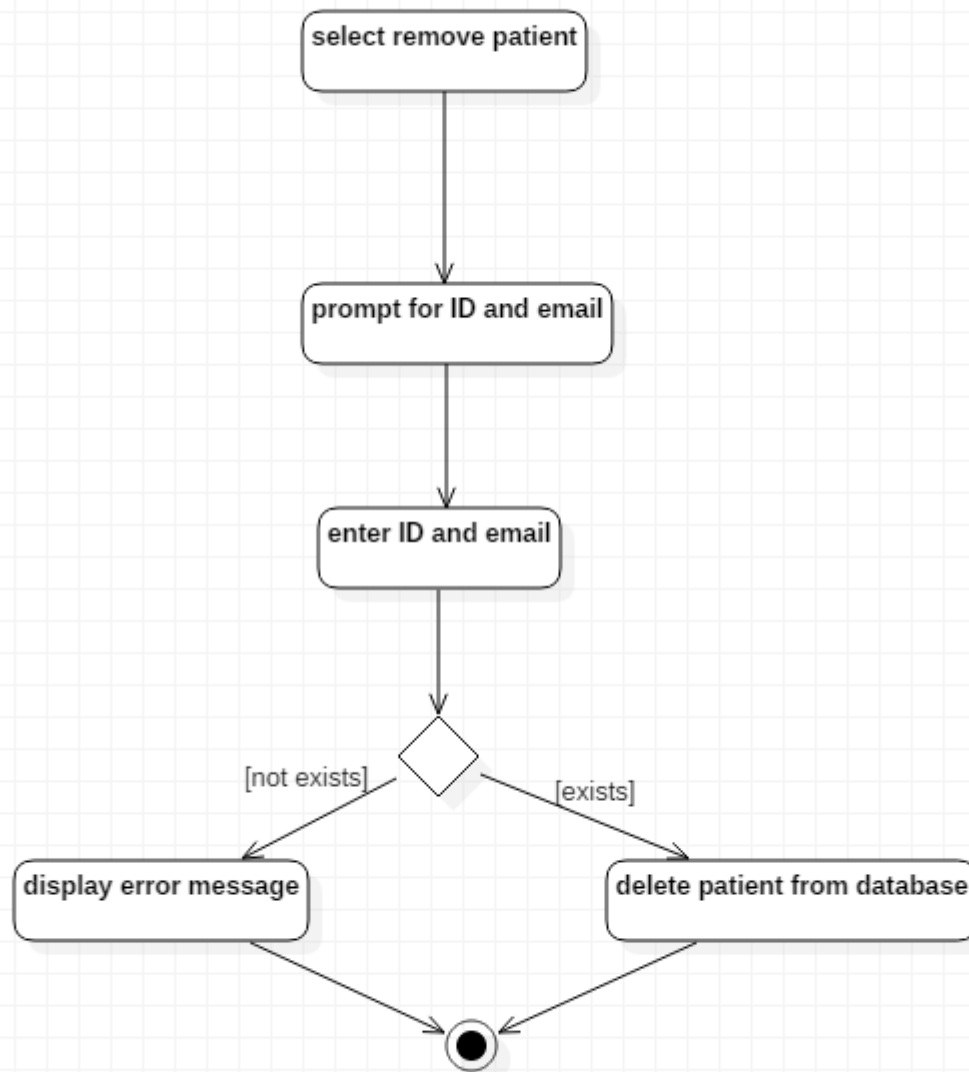
Remove Doctor



Remove Medicine



Remove Patient



Sign Up

