

1. Login

Use case name	Login pharmacy system
Primary actor	doctor, pharmacist, patient
Brief description	This use case describes the process of user login the pharmacist system by phone number.
Triggering event	User clicks on the “Login” button
Preconditions	None
Postconditions	The system displays successful login messages.
The flow of events	<ol style="list-style-type: none">1: User clicks on the “Log in” button2: The system will display the “Login” screen to user3: User enters phone number. (10 numbers)4: User enters password.5: User clicks on the “Log in” button to the user.6: System displays the main screen.

Alternative flows	<p>#Exception1 2nd way to login (step3)</p> <p>1: User clicks on the “Log in” button</p> <p>2: The system will display the “Login” screen to the user</p> <p>3: User clicks on “Face Id (ios)/ Touch Id (android)” to log in.</p> <p>4: System displays the main screen.</p> <p>#Exception2 < Forgot password (step4)></p> <p>1: User clicks on the “Log in” button</p> <p>2: The system will display the “Login” screen to the user</p> <p>3: User enters phone number. (10 numbers)</p> <p>4: User clicks on the “Forgot password” button.</p> <p>5: System displays “Forgot password?” screen to the user.</p> <p>6: User enters the information required:</p> <ul style="list-style-type: none"> 6.1 User enters phone number to login 6.2 User enters phone number to receive OTP 6.3 Account charged annual fee 6.4 Full names without accent 6.5 Date of birthday 6.6 ID/Passport <p>7: User clicks on the “Continue” button to continue</p> <p>8: The user enters the OTP code that has been sent to the registered phone number within 120s, and then click on the “confirm” button to continue.</p> <p>9: The system displays a notification of a successful password reset. Password is sent to a registered phone number.</p> <p>10: User clicks on the “Login” button</p> <p>11: System returns “login” screen</p>
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Exception conditions	<p>1.<Invalid phone number (step 3)></p> <p>1.1 Wrong phone number If the user enters the wrong phone number in step 3. Then when pressing the “continue” button, the system will display the message " Wrong phone number does not exist. Please check again" and return step 3.</p> <p>1.2 Phone number is shorter than 10 numbers If the user enters the phone number shorter than 10 numbers in step 3. Then when pressing the “continue” button, the system will display the message " Phone number consists of 10 numbers. Please check again" and return step 3.</p> <p>1.3 Phone number is longer than 10 numbers If the user enters the phone number longer than 10 numbers in step 3. Then when pressing the “continue” button, the system will display the message " Phone number consists of 10 numbers. Please check again" and return step 3.</p> <p>2 <User enters wrong Password (step 4)></p> <p>If the user enters the wrong Password in step 4, the system displays an error message. If the user enters the wrong password five times in a row, the account will be locked.</p> <p>3 <User not fill in the request information (step 3, step 4)> If the user doesn’t enter request information (phone number, password) in step 3 or step 4. Then when pressing the “Login” button, the system will display the message "Please enter required information. Please check again" and return step 3 or step 4.</p>
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2. Create medical prescriptions

Use case name	Create medical prescriptions
Primary actor	doctor
Brief description	This use case describes the process of user create medical prescription for all hospital patients
Triggering event	User clicks on the “create” button
Preconditions	User login the system as doctor successfully.
Postconditions	The system displays successful creation messages.
The flow of events	<p>1: User clicks on the “Create” button</p> <p>2: The system will display the “Create” screen to user</p> <p>3: User enters patient’s name.</p> <p>4: User chooses drug’s type.</p> <p>5: User chooses drug’s dosage.</p> <p>6: User chooses expiration date.</p> <p>7: User enters special instructions. (if need)</p> <p>5: User clicks on the “Save” button to.</p> <p>6: System displays the sucessfully messages.</p>
Alternative flows	<p>1: User clicks on the “name’patient” button (already stored as a prescription for a patient)</p> <p>2: The system will display the “Create” screen to user (Pre-stored patient information)</p> <p>3: User enters patient’s name.(if need)</p> <p>4: User chooses drug’s type.(if need)</p> <p>5: User chooses drug’s dosage. (if need)</p> <p>6: User chooses expiration date. (if need)</p> <p>7: User enters special instructions. (if need)</p> <p>5: User clicks on the “Save” button to.</p> <p>6: System displays the sucessfully messages.</p>

Exception conditions	<p><User not fill in the request information (step 3, 4,5,6)></p> <p>If the user doesn't enter request information (patient's name, drug's type, expiration date). Then when pressing the "save" button, the system will display the message "Please enter required information. Please check again" and return step 3 .</p>
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3. Change medical prescription

Use case name	Change medical prescriptions
Primary actor	doctor
Brief description	This use case describes the process of user update medical prescription for all hospital patients
Triggering event	User clicks on the "edit" button
Preconditions	User login the system as doctor successfully.
Postconditions	The system displays successful change messages.
The flow of events	<p>1: User clicks on the "Edit" button</p> <p>2: The system will display the "Edit" screen to user</p> <p>3: User edits patient's name. (if need)</p> <p>4: User edits drug's type. (if need)</p> <p>5: User edits drug's dosage. (if need)</p> <p>6: User edits expiration date.(if need)</p> <p>7: User edits special instructions. (if need)</p> <p>5: User clicks on the "Update information" button to.</p> <p>6: System displays the successfully messages.</p>
Alternative flows	None

Exception conditions	<p><User not fill in the request information (step 3, 4,5,6)></p> <p>If the user doesn't enter request information (patient's name, drug's type, expiration date). Then when pressing the "update information" button, the system will display the message "Please enter the required information. Please check again" and return steps 3,4,5,6.</p>
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