

# Patient Module

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Document owner	Nafiul Aziz Ifty
Designer	Mr. Z
Tech lead	Mr. Y
Technical writers	Mr. X
Quality Assurance	Mr. Tester

## 🎯 Objective

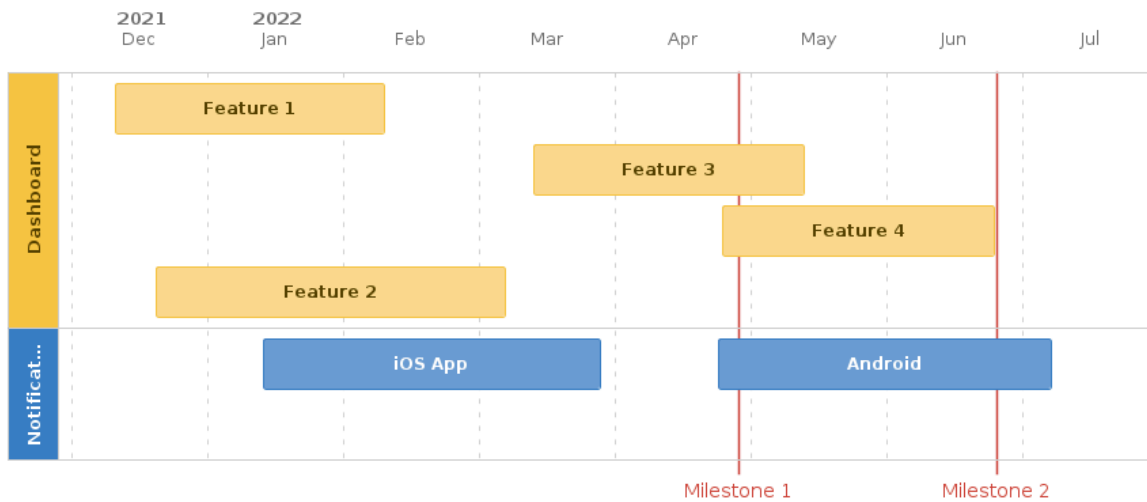
Patient can easily provide all the information and make appointments.

## 📊 Success metrics

Goal	Metric
Patients Profile	register and login in their profile
Patients Medical history	record all the data at one place
Patient Login	using their UID and password
Appointment	online and offline

## 🤔 Assumptions

## 🌟 Milestones



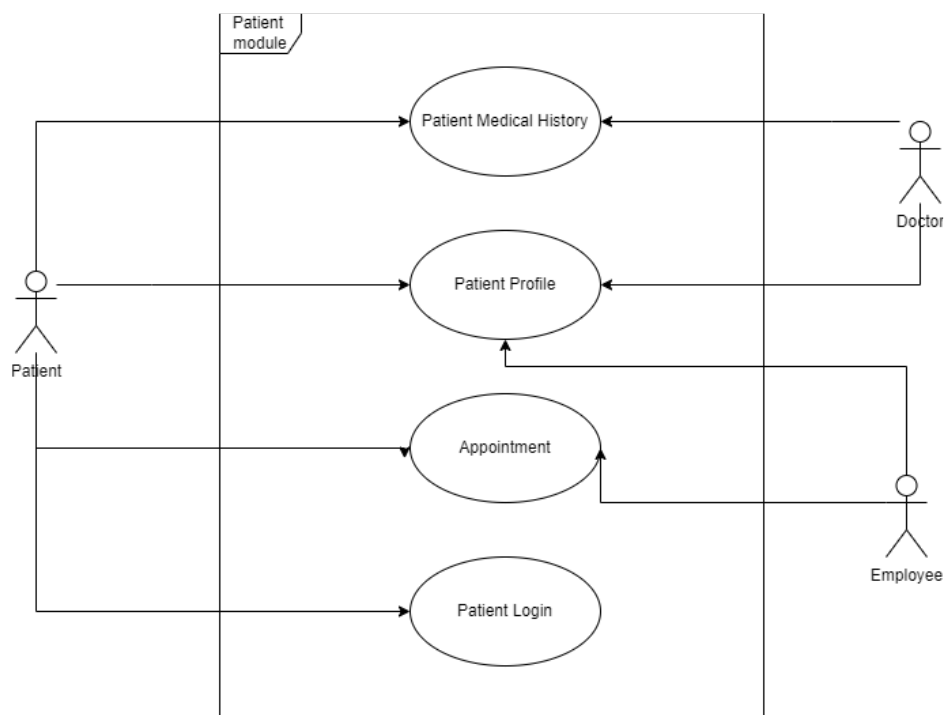
## Requirements

Requirement	User Story	Importance	Jira Issue	Notes
patient profile panel	User will sign up using email id or phone number , OTP will be send. They will provide a password for their profile. Then they will need to provide their personal information.	HIGH		
Patient UID	When they are first time registering they will be provided with a UID. So the tracking will be lot easier.	HIGH		
Patient Medical History	They need to provide all the the information about their previous medical history. Like if they have visited any doctor, any surgery or any kind of chronic health condition (Diabetes, Arthritis, Asthma, Back pain, Cancer, Cardiovascular disease, Thyroid ETC )	HIGH		
Patient Login	They can login in their page by UID and Password.	HIGH		
Forget Password	Sometime they forget their password. Their will be option to reset their password.	MEDIUM		

Appointment	<p>They can make an appointment by using UID. When they login in their profile their will be option for appointment making. By seeing the availability of their desire doctor they can choose the time and date.</p> <p>After selecting time and date, they will be provide with a serial number for doctors visit.</p>	HIGH		
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## 👤 User interaction and design

### use case diagram



### Use Case Narrative:

#### Patient Profile (registration):

Use Case Id	101
User Story	Patient will register using the email id and OTP send on phone.
Goal	
Priority	High

Actors	Patient and Employee
Pre-condition	A registration form will appear for fill-up the information.
Post-condition	Patient will get a confirmation for the successful registration.
Trigger	When user try to make appointments first time or try to create a profile.
Main flow	<ol style="list-style-type: none"> <li>1. Firstly a registration form will appear.</li> <li>2. Patient need to provide e-mail or phone number for registration.</li> <li>3. Then an OTP will be sent in the patient email or on the phone.</li> <li>4. Patient have to type the OTP for confirmation.</li> <li>5. Need to provide a valid password for the account.</li> <li>6. Patient will provide the personal info (Name, Date of Birth, Age, Address, Marital Status, Emergency Contact, Phone number and Email address) in the form.</li> <li>7. Then a successful registration message will send to the patient email.</li> <li>8. An UID will be generated for the patient.</li> </ol>

#### **Patient Profile (login):**

Use Case Id	102
User Story	Patient will login using the email id and password
Goal	
Priority	High
Actors	Patient, Employee and Doctor
Pre-condition	A login interface will come up
Post-condition	Patient land on the user dashboard.
Trigger	When user try to make appointments.
Main flow	<ol style="list-style-type: none"> <li>1. A login interface will pop up after pressing login option.</li> <li>2. He/she provide the e-mail and password.</li> <li>3. If the email and password match completely then he/she login into the system.</li> </ol>

#### **Patient Profile (forget password):**

Use Case Id	103
User Story	Patient will reset the password

Goal	
Priority	Medium
Actors	Patient, Employee
Pre-condition	First need to visit login page.
Post-condition	Patient will provide phone number for OTP.
Trigger	When user try to login with invalid password or forgot.
Main flow	<ol style="list-style-type: none"> <li>1. A forget password interface will pop up after pressing forget password option.</li> <li>2. He/she provide the phone number for OTP.</li> <li>3. He/she need to provide the OTP for verification.</li> <li>4. After verification he/she need to provide new password and re-type the password.</li> <li>5. Then the new password will be confirmed.</li> <li>6. Next time he /she can login with this new password.</li> </ol>

#### **Patient Medical history:**

Use Case Id	104
User Story	Patient provide their medical history.
Goal	
Priority	High
Actors	Patient, Employee and Doctor
Pre-condition	Need to login first.
Post-condition	Save the information in the database.
Trigger	There will be option to provide medical history.
Main flow	<ol style="list-style-type: none"> <li>1. After clicking the medical history option a form will appear.</li> <li>2. He/she will provide the medical history.</li> <li>3. He/she save the information.</li> <li>4. Information will be saved in the database so that doctor and employee can access those information.</li> </ol>

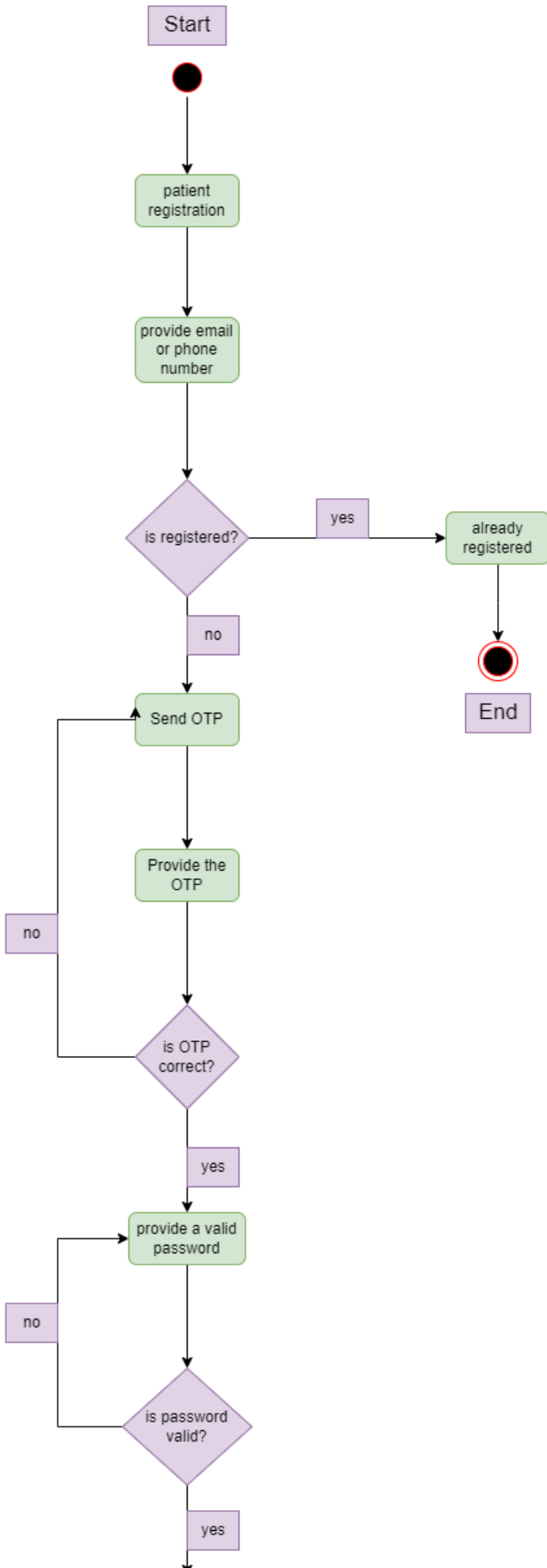
#### **Appointment :**

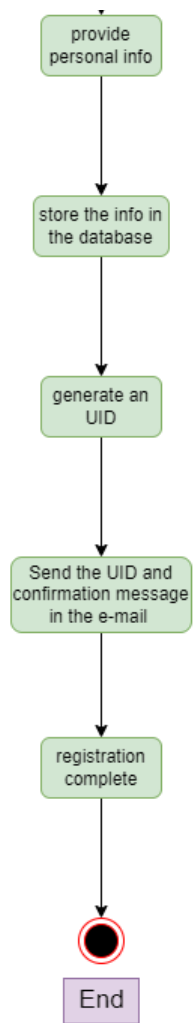
Use Case Id	105
User Story	Patient can make appointment.
Goal	

Priority	High
Actors	Patient and Employee
Pre-condition	Need to login first.
Post-condition	A confirmation e-mail will be sent after making a successful appointment
Trigger	There will be option to provide medical history.
Main flow	<ol style="list-style-type: none"> <li>1. There will be time table and availability of a doctor.</li> <li>2. After that patient can select their suitable time and date for check-up.</li> <li>3. Completing the appointment an email will be sent to the patient and appointment details will be sent to the doctor and employee.</li> </ol>

### **Activity Diagram:**

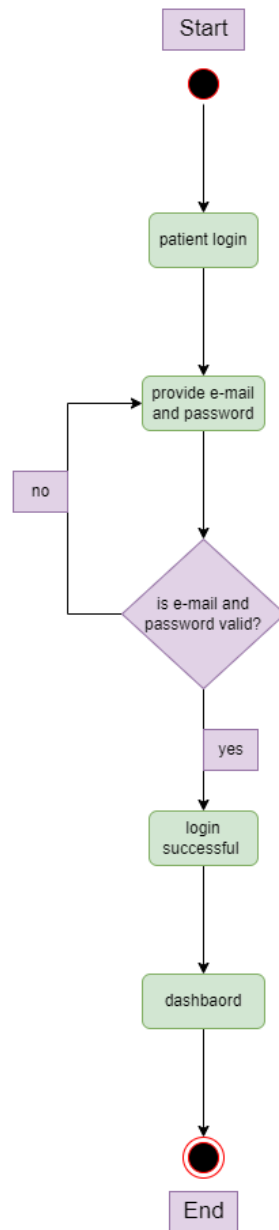
**Patient Profile (registration) :**



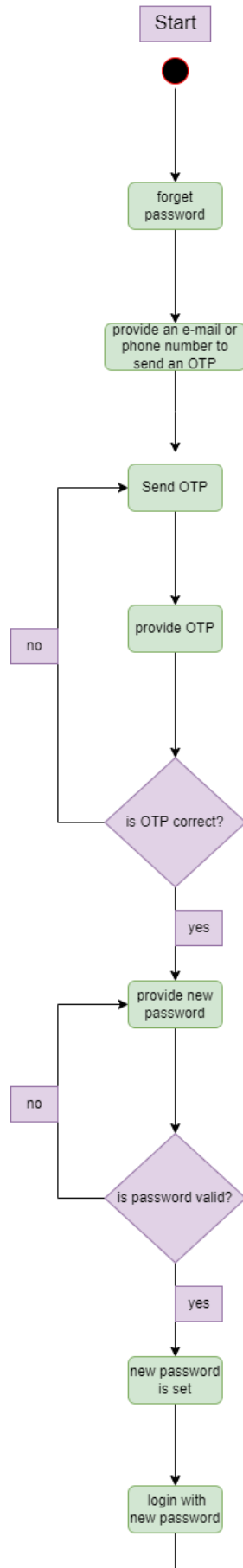


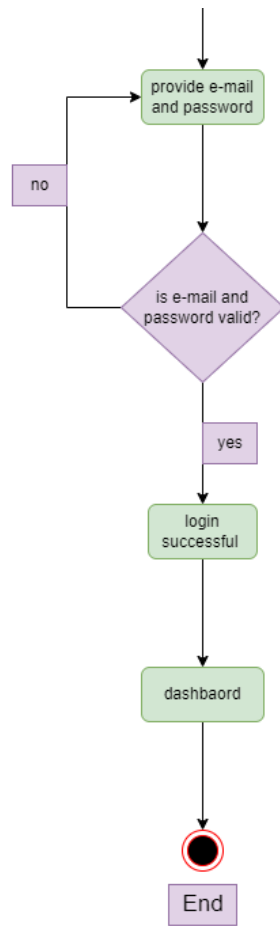
Patient Profile (login):



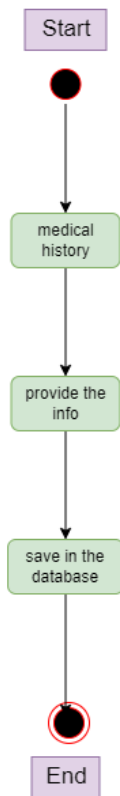


Patient Profile (forget password):

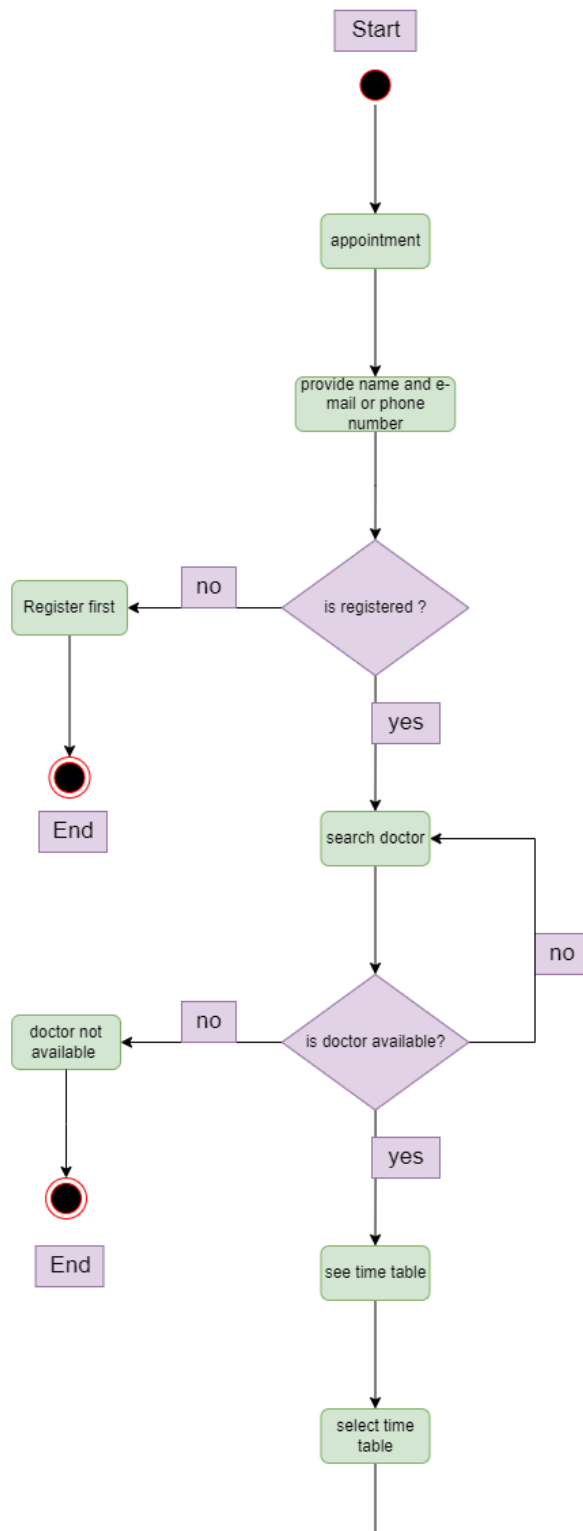


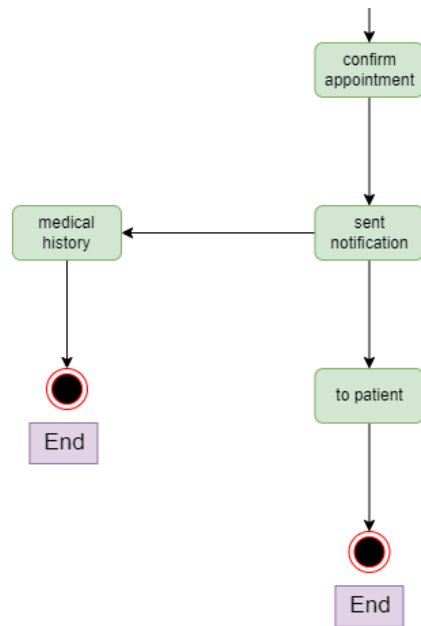


Patient Medical history:



Appointment :





### ? Open Questions

Question	Answer	Date Answered
How many user can use the system	There will be three type of user mainly patient, employees and doctor	28-09-2023

### ! Out of Scope

- Patient health card scanner implementation.
- Patient get notification for their appointments.