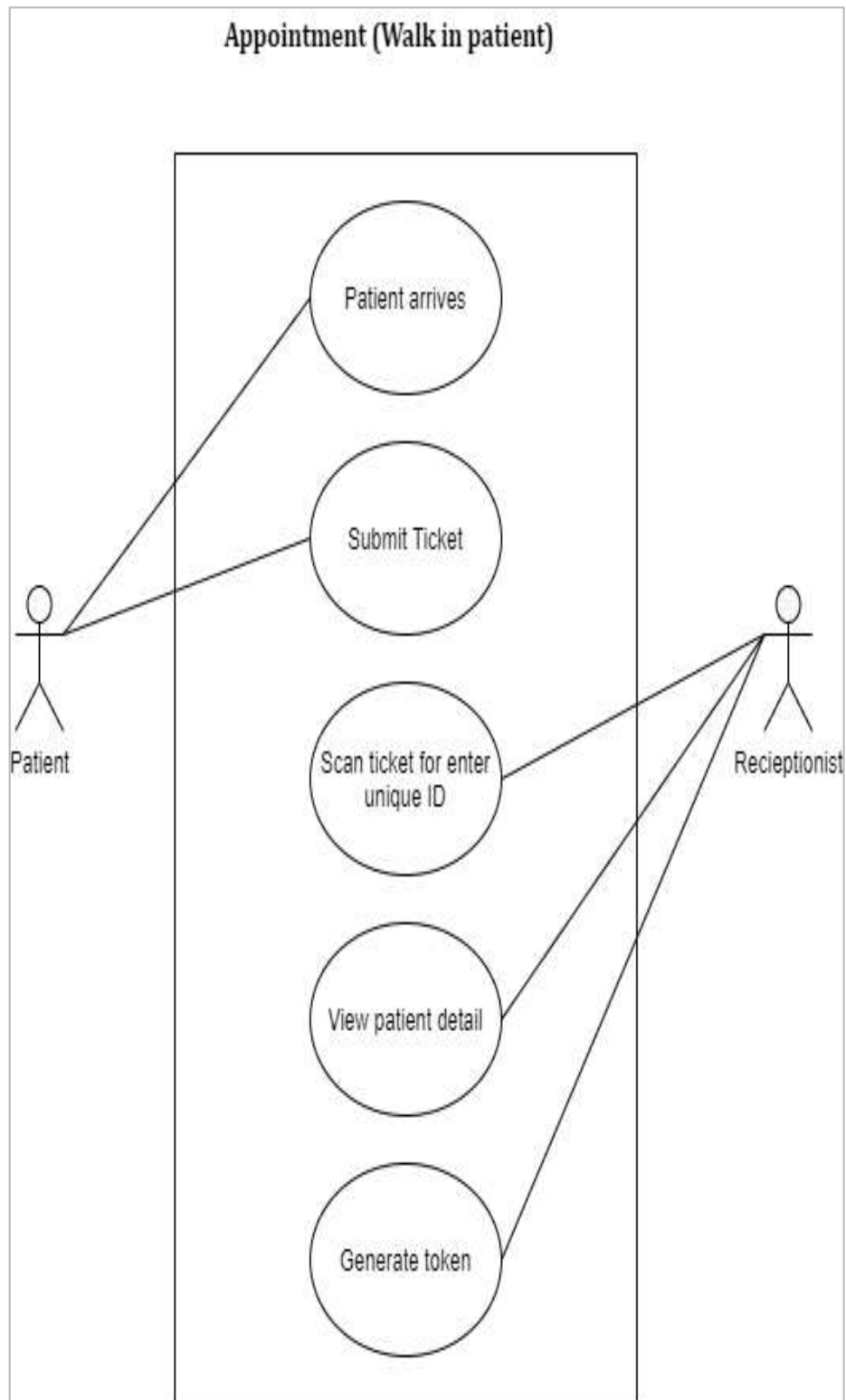


### 2.4.1.3 Use Case Diagram – Patient Registration (Walk-In)



**Diagram 04: Use Case Diagram of Registration (Walk - in)**

2.4.1.4 Workflow – Registration (Walk in)

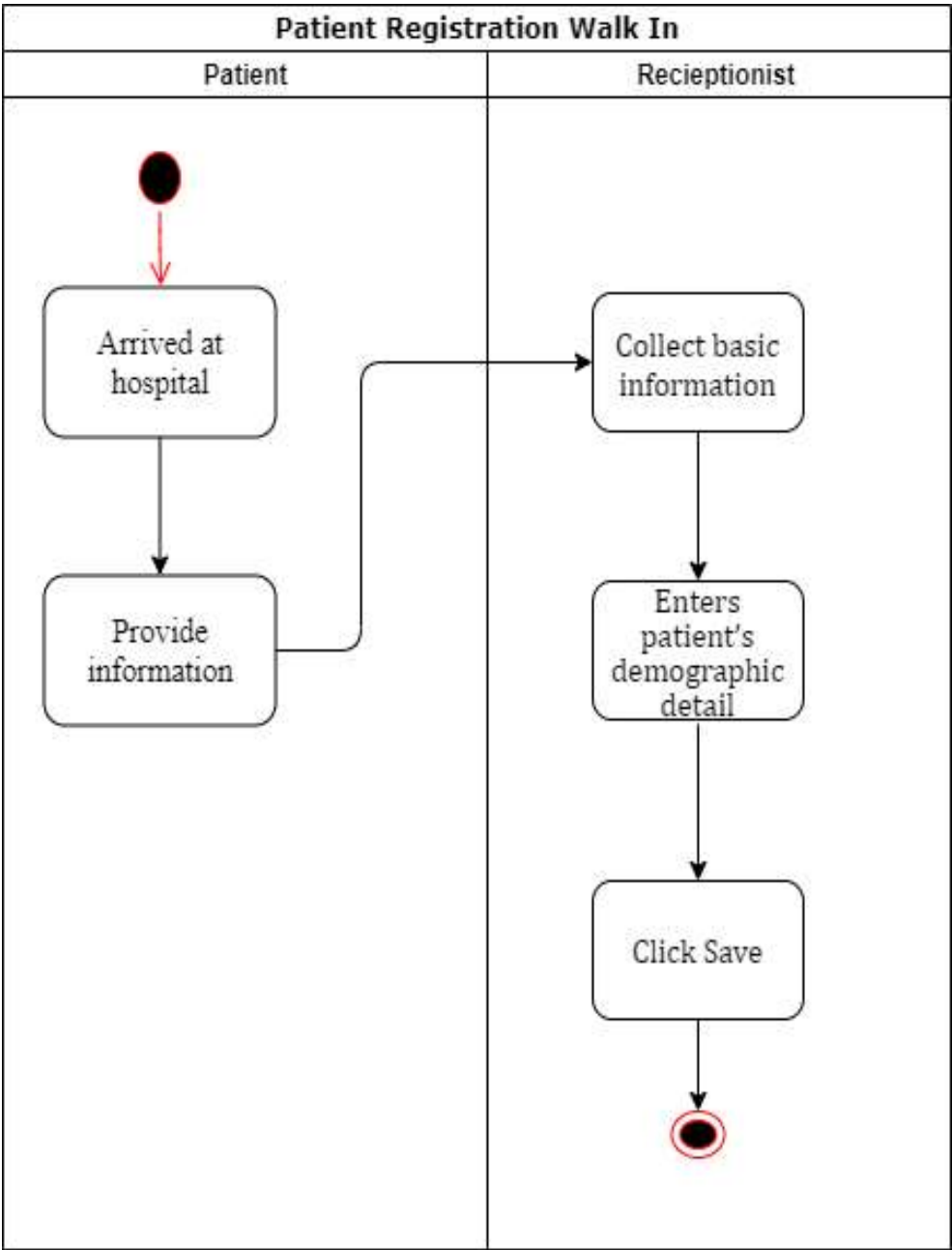


Diagram 05: Workflow Diagram of Registration (Walk – In)

2.4.2 Patient Registration (Online)

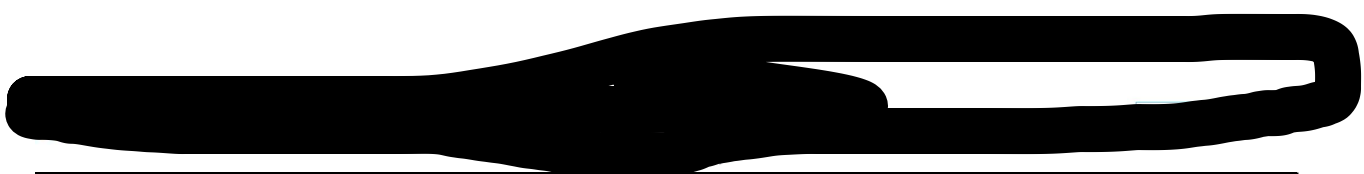
Patients who want to pre-register from home to save time and avoid queue, can use this online registration feature. All the required information will be submitted by patient and approved by online patient registration approval criteria. In addition, this approval could be by the system or any manual intervention. Once registration is confirmed, patient will be able to book appointment online.

2.4.2.1 Attribute List

SL	Name of Attribute	Description	Data Type	Mandatory	Comment
1	Patient Registration No.	Unique identification of patient	Alphanumeric	Y	Auto generated
2	Date of Registration	Registration date	Date	Y	Auto generated
3	Name	Full name of patient	Character	Y	
4	Date of Birth	Birth date of patient	Date	Y	
5	Age	Age of patient	Numeric	Y	Auto Generated
6	Gender	Gender of patient	Character	Y	List box
7	Blood Group	BG of patient	Character	Y	List box
8	NID	NID/Smart card/Birth Certificate no. of patient	Numeric	N	
9	Reg Type	Patient Type	List Box	N	
10	Phone No.	Phone number of patients	Numeric	Y	

2.4.2.2 Use Case – 0002 – Patient Registration (Online)

Use Case ID: <b>SOMCH-UC-REG-0002</b>	
Use Case Name: Registration (online)	
Actors	Patient, Admin (Optional)
Trigger	When patient wants to register online
Business Rule	<ul style="list-style-type: none"><li>• Patient must use the authorized link.</li><li>• Patient must use valid registration information.</li><li>• Registration ID will maintain the following convention- ‘OPD-xx-dd-mm-yy-0000’, where OPD means outdoor, xx will be the department id, dd-mm-yy is the date and last 4 digits will be unique number.</li></ul>
Description	<ul style="list-style-type: none"><li>• To do a pre-registration, the following steps must be followed by a patient.</li><li>• Click on the ‘Online Registration Link’ of SOMCH.</li><li>• Sign-up in patient portal.</li><li>• Go to ‘Online Registration Form’.</li></ul>



	<ul style="list-style-type: none"><li>• Enter required information.</li><li>• Send registration request for approval.</li><li>• Request approved by system/admin.</li><li>• Once approved, patient will see registration successful message.</li><li>• Receive unique patient ID.</li><li>• View patient card.</li><li>• Print patient card.</li></ul>
Frequency of Use	High
Preconditions	Patient must have uninterrupted internet connection and click on the valid link for registration.
Non-Functional Requirement	N/A
Post conditions	Patient will be ready to take doctor’s appointment.
Assumption	Patient will enter valid registration information.
Goal	Pre-register patient online to save time.
Normal Flow	<ul style="list-style-type: none"><li>• User: Click on valid link for registration.</li><li>• System: Take user to online site for registration.</li><li>• User: Enter required information, complete payment, and submit.</li><li>• System: Save all the information, receive payment, and send for admin approval.</li><li>• User: View successful registration message once approved.</li><li>• System: Show successful registration message with unique. registration ID and save the registration in patient registration list.</li></ul>
Alternate Flow	<ul style="list-style-type: none"><li>• Patient arrival at registration counter.</li><li>• Provide basic information.</li><li>• Unique Patient ID generated.</li><li>• Receive payment.</li><li>• Assign department.</li><li>• Generate ticket.</li><li>• Provide ticket to patient.</li></ul>
Exception	<p>If registration is not approved-</p> <ul style="list-style-type: none"><li>• System: Alert that registration approval has failed.</li><li>• User: View registration failed message.</li><li>• System: Ask user to re perform registration process.</li><li>• User: Go to registration to repeat the steps.</li></ul>
Notes and Issues	N/A
Cross Reference	N/A

2.4.2.3 Use Case Diagram – Registration (Online)

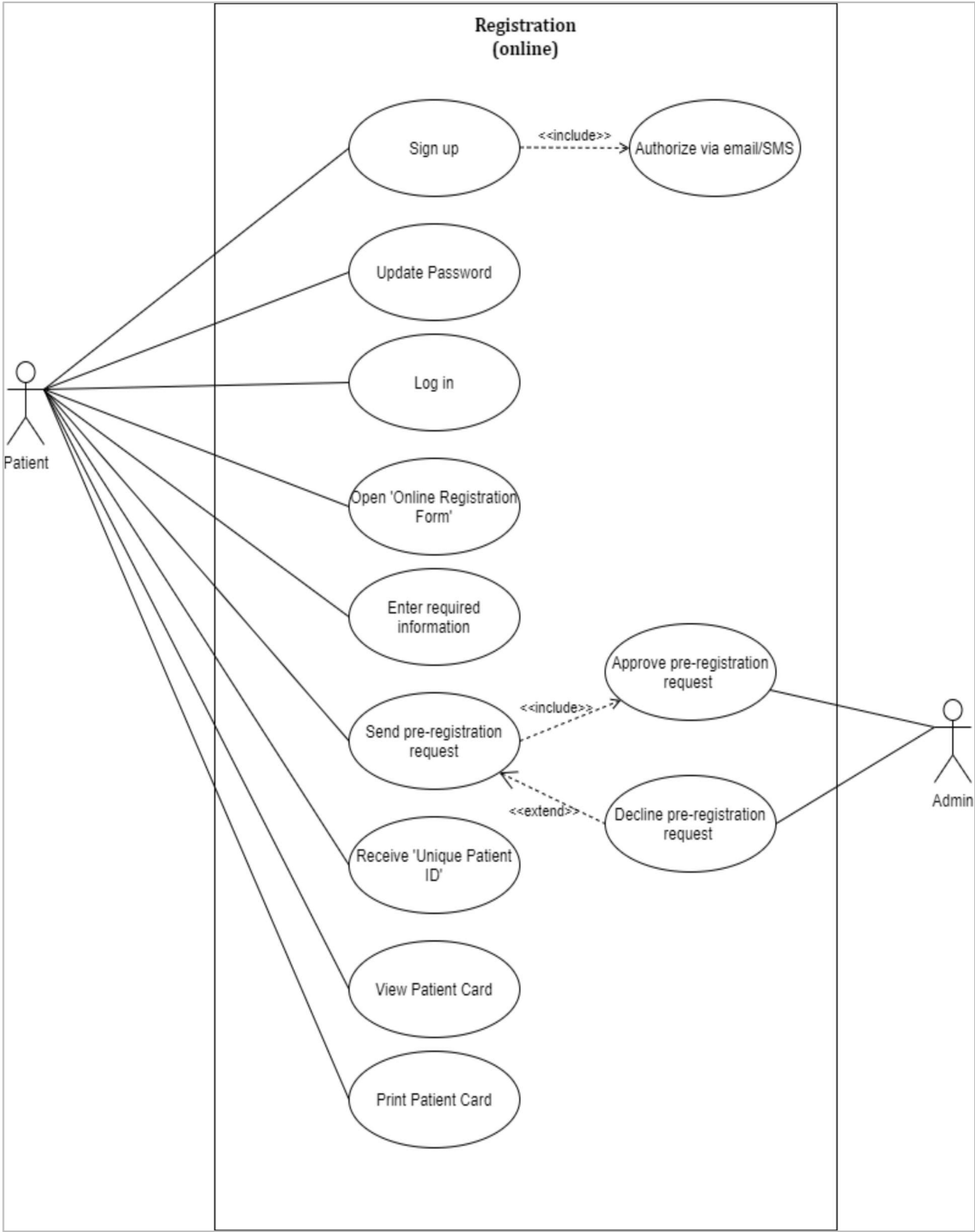


Diagram 06: Use Case Diagram – Registration (Online)

2.4.2.4 Workflow – Registration (Online)

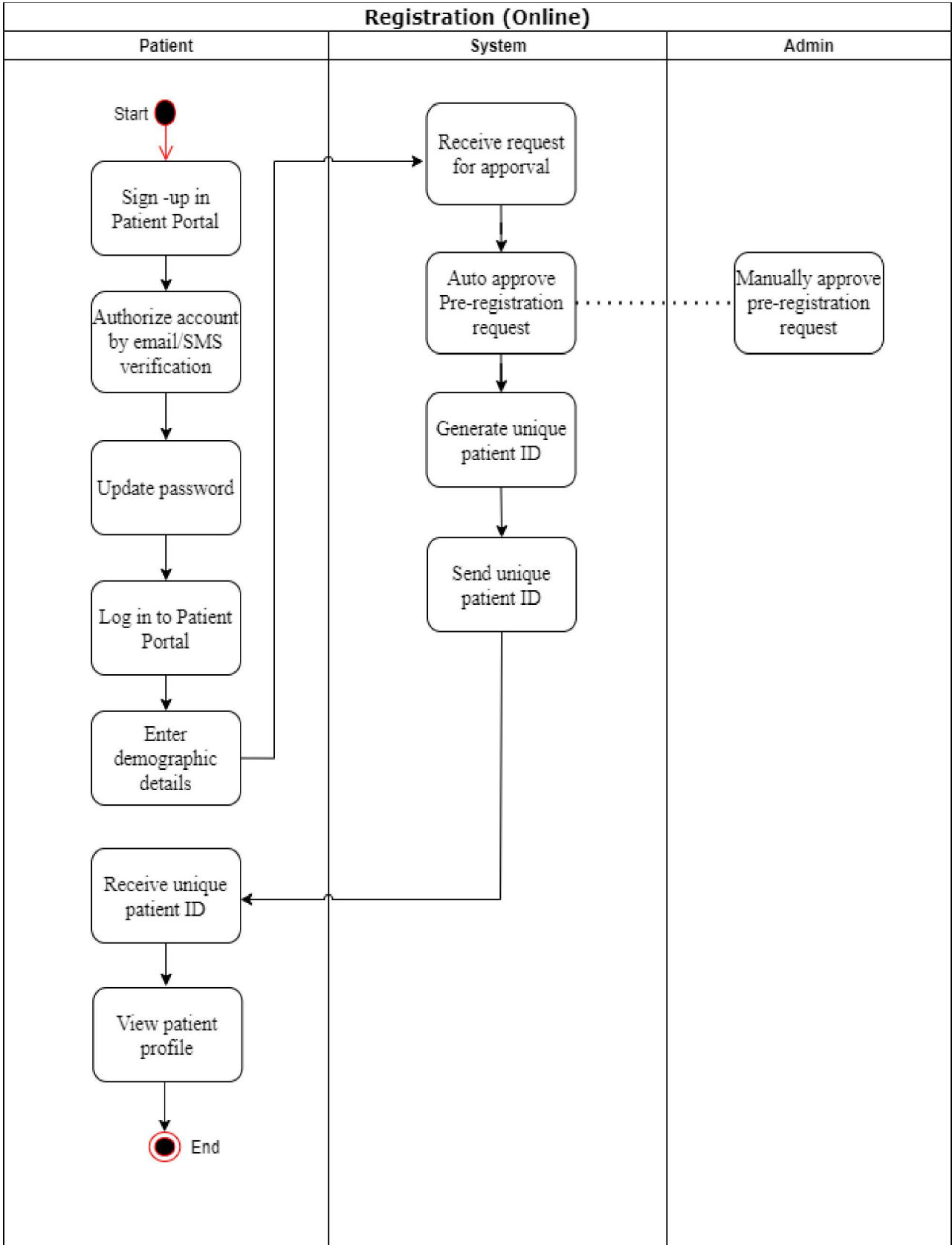


Diagram 07: Workflow Diagram – Registration Online