

You are required to design, develop, test and deploy an application named "ND Telemedicine App". This is a web/mobile application that can be used by anyone, allowing patients to sign up, add their health information, make a profile, book an appointment with a GP through calendar, text chat with a Doctor, and view their prescribed medicine. User also can add their status such as fever, pain and so on. Doctors (or GP) can add their availability, chat with their client, prescribe and manage medicine, and view their patients' health status. The app can have super admin user to manage both types of users. The application also can **notify** users for their appointment or medicine time. You can provide your own design/dashboard for each part of the app or even add your own innovation through the design. You can draw a wireframe to show your ideas beside the user story through sprint 0 and receive feedback from PO.

User Account created (from email and password) -> Phone verification (for notifications can decide to skip) and then -> profile creation (full name, dob, provide medical history or issues, or skip to do later or possibly have no current medical history/issues that lets you skip)

Add health information -> ask product owner (tutor) the limits and requirements of this task

Story: #1	User/Patient signs up
Priority(Low, Medium, High):	High
Effort (hours):	
As a	User/Patient
I want	To make an account
So that I can	Log into the app
Acceptance Criteria	<p>Criterion 1: Given the provided user email is valid and doesn't currently exist the database When the user attempts to sign up Then the user is prompted that the sign up is successful and is signed in</p> <p>Criterion 2: Given the provided user email is invalid When the user attempts to sign up Then the user is prompted that the email inputted is invalid</p> <p>Criterion 3: Given the provided user email has been registered to an existing account When the user attempts to sign up Then the user is prompted that the email</p>

	inputted has already been registered
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Story: #2	Patient books an appointment with their Doctor/GP
Priority(Low, Medium, High):	High (Consider timetables and availability)
Effort (hours):	
As a	Patient
I want	To book an appointment with my doctor
So that I can	Have a visit with the doctors
Acceptance Criteria	<p>Criterion 1: Given that there is an available time slot for an appointment with their assigned doctor on the appointment calendar. When the patient selects and books that time slot Then the patient will be successfully booked in the database and will receive a confirmation email/sms and the doctor will be notified that an appointment with them has been booked.</p> <p>Criterion 2: Given that there is an available time slot for an appointment with any doctor on the appointment calendar. When the patient selects that time slot a list of available doctors will be listed and the patient can pick one or let the system choose one for them. The patient will select their option and book that time slot. Then the patient will be successfully booked in the database and will receive a confirmation email/sms and the doctor will be notified that an appointment with them has been booked.</p>

Story: #3	Doctor/GP creates account
Priority(Low, Medium, High):	Medium

Effort (hours):	
As a	Doctor/GP
I want	To create an account as a doctor/GP
So that I can	Attend appointments with my clients
Acceptance Criteria	<p>Given that a code has been sent to the doctor/GP's email prior to the user registering on the app by the super admin</p> <p>When the user registers</p> <p>Then they should be able to register as a "Doctor/GP" not a regular user successfully.</p>

Story: #4	Patient making a profile
Priority(Low, Medium, High):	High
Effort (hours):	
As a	Patient
I want	To make a profile
So that I can	Display necessary information to doctors
Acceptance Criteria	<p>Criterion 1:</p> <p>Given the patient has signed up</p> <p>When the patient attempts to make a profile AND fill in the information for the profile creation</p> <p>(below is the information patient provides to create their profile)</p> <ul style="list-style-type: none"> - their name, - a valid DOB, - provide their medical history (the patient can choose to provide medical history - this field of information is optional) <p>Then the patient is prompted that their profile has been created</p> <p>AND the patient can view their profile</p>

Story #5	Doctor Setting Availability
Priority(Low, Medium, High):	High
Effort (hours):	
As a	Doctor
I want	Set my availability hours
So that I can	Have my patients book appointments that work for me.
Acceptance Criteria	<p>Criteria 1: Given that the doctor has their profile setup And has time available When the doctor selects a time slot/s Then the time slot in the database will be allocated to the doctor and the time slot availability will be set to false.</p> <p>[MOVED] Criteria 1: (Seems to be more towards patient booking with the doctor) Given: that a Doctor and patients profiles have been set up When: a patient goes to book an appointment Then: they should be able to select a time based on the Doctor's availability.</p>

Story: #6	Viewing Patients Previous Health Information
Priority(Low, Medium, High):	Low
Effort (hours):	
As a	GP
I want	View patients previous health information
So that I can	Have relevant information to make a diagnosis.
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The GP has access to the patients profile</p> <p>When: the GP looks up the patient in the database</p> <p>Then: the user is prompted with the patients profile</p> <p>Given: the patient has a profile</p> <p>When: the GP selects which information of patient that want to access</p> <p>Given: The patient has entered their previous health information</p> <p>When: the user clicks “previous health information” on the patient's profile.</p> <p>Then: the user views the patient's previous health information</p> <p>Criterion 2:</p> <p>Given: The patient doesn't have a profile.</p> <p>When: the GP attempts to search for patient</p> <p>Then: the GP contacts the patient to check if they have created their profile.</p> <p>Criterion 3:</p> <p>Given: The patient hasn't filled out the previous health information.</p> <p>When: the GP attempts to view the patient's previous health information</p> <p>Then: the GP exits the app.</p>

Story: #7	Viewing Prescription Information
Priority(Low, Medium, High):	Low
Effort (hours):	
As a	Patient
I want	View my prescription
So that I can	Look up any side effects I may experience
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The user has been prescribed medication and the GP has uploaded that prescription to the patient's profile.</p> <p>When: The user navigates the app to "View Prescription Medication"</p> <p>Then: The user clicks on the tab to enter the page that lists all their prescribed medications</p> <p>Given: Their GP has uploaded that prescription to the patients profile.</p> <p>When: The user selects the medication they want to know the side effects of.</p> <p>Then: The app will take the user to the page about that medication</p> <p>And: The user can then click the provided url which will redirect the user to a website with all the information about the medication.</p> <p>Criterion 2:</p> <p>Given: The GP has not uploaded the prescription to the patient's profile.</p> <p>When: The user was unable to view their prescribed medication details.</p> <p>Then: The user will use the app's built in communication function to contact their GP to fix the issue of their prescription not being uploaded.</p>

Story: #8	Patient messages Doctor/GP through text chat
Priority(Low, Medium, High):	Low
Effort (hours):	
As a	Patient
I want	To message my Doctor/GP
So that I can	Talk to my Doctor/GP
Acceptance Criteria	<p>Criterion 1:</p> <p>Given that the patient is assigned to a specific doctor from when they made an appointment with a Doctor/GP</p> <p>When the patient messages their Doctor/GP</p> <p>Then the user should be able to communicate with their Doctor/GP then the assigned Doctor/GP will receive a message notification</p> <p>AND the Doctor/GP will be able to message the patient back.</p> <p>(Doctors aren't able to initiate a conversation with the patient)</p>

Story: #9	Doctor removing availability
Priority(Low, Medium, High):	Medium
Effort (hours):	
As a	Doctor
I want	To remove my availability for particular hours
So that I can	Attend to potential outside matters and cannot be available
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: That the doctor is signed in</p> <p>And: There is time that has been allocated</p> <p>When: The doctor selects a time slot/s</p> <p>Then: The time slot in the database that was allocated to the doctor will become unallocated and the time slot availability will be set to true.</p>

Story: #10	App notifying patient to take medicine
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Priority(Low, Medium, High):	Medium
Effort (hours):	
As a	Patient
I want	App to notify me
So that I can	Remember to take medicine
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The patient has been prescribed a medicine (the instructions - time interval for taking the medicine will be recorded by the system)</p> <p>AND: the medicine is to be taken in time intervals</p> <p>When: The time interval has past</p> <p>Then: The patient is notified to take the medicine</p> <p>(Ask tutor on setting the time intervals functionality - user wants the ability to manually adjust the time)</p>

Story: #11	App notifying patient to attend appointment
Priority(Low, Medium, High):	Medium
Effort (hours):	
As a	Patient
I want	App to notify me
So that I can	Remember to attend the appointment
Acceptance Criteria	<p>Assume both criteria are logged in</p> <p>Criterion 1:</p> <p>Given: The patient has a exiting booked appointment</p> <p>When: The time is 1-2 (3 hours max prior) to the booked appointment time</p> <p>Then: patient will be notified of the appointment - including the time of appointment</p> <p>Criterion 2 (Goes into more detail):</p> <p>Given: The patient is booking a doctors appointment</p>

	When: The patient has successfully booked the appointment Then: patient will be notified of the appointment - including the time of appointment
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Story: #12	Patient canceling appointment
Priority(Low, Medium, High):	Low
Effort (hours):	
As a	Patient
I want	Cancel a booked appointment
So that I can	Attend urgent matters
Acceptance Criteria	Criterion 1: Given: The patient has a exiting booked appointment When: The patient cancels that booked appointment Then: The system removes the appointment information And: The system prompts the patient that the appointment has been canceled

Story: #13	Patient rescheduling appointment
Priority(Low, Medium, High):	Low
Effort (hours):	
As a	Patient
I want	reschedule a booked appointment
So that I can	Attend the appointment at another time

Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The patient has a exiting booked appointment</p> <p>When: The patient attempts to reschedule that booked appointment</p> <p>And: The patient has selected an available time allocation for reschedule</p> <p>Then: The system removes the appointment time from the initial time slot</p> <p>And: the patient's new appointment will be successfully booked in the database and will receive a confirmation email/sms and the doctor will be notified that an appointment with them has been rescheduled.</p>
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Story: #14	Doctors prescribe medicine for their patient
Priority(Low, Medium, High):	Medium
Effort (hours):	
As a	Doctor
I want	Prescribe medicine
So that I can	Provide my patients with medication for the given issue and a document that they can use physically at the GP
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The patient is allocated to the doctor</p> <p>When: The doctor prescribes medicine for the patient</p> <p>Then: The system creates a document with all the information necessary (includes the GP/doctor of the prescription, patient name, prescription info, etc.)</p> <p>And: The systems inform the doctor that the prescription has been created</p> <p>And: The patient can view the document in their prescription list</p>

Story: #15	Doctors viewing their patient's health status
Priority(Low, Medium, High):	Medium

Effort (hours):	
As a	Doctor
I want	View the patient's profile
So that I can	Obtain information of the patient's health status
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: The patient is allocated to the doctor</p> <p>When: The doctor views the patients' profile</p> <p>Then: The system displays the patients' profile to the doctor</p> <p>And: the doctor can view all information regarding the patient - includes, medical history, past appointment notes, prescription list, etc.</p> <p>(Discuss with tutor - health status)</p>

Story: #16	Super Admin create doctor accounts
Priority(Low, Medium, High):	High
Effort (hours):	
As a	Super Admin
I want	To create one or many doctor accounts
So that I can	Have doctors that can operate, exist and function on the system, in which I can manage with respect to my role within the organization
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: That the super admin is signed into the system</p> <p>When: The super admin selects the option to create a account</p> <p>Then: The system should prompt a form to fill out which includes, the full name of the doctor, picture of the doctor (assumed given for ID at on-site work), work/professional contact phone number and email.</p>

Story: #17	Super Admin generate code [Potential removal]
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Priority(Low, Medium, High):	Medium-Low
Effort (hours):	
As a	Super Admin
I want	To generate codes
So that I can	Allow future doctors that have been employed at the GP to make their account
Acceptance Criteria	<p>Criterion 1:</p> <p>Given: That the super admin is signed into the system</p> <p>When: The super admin clicks to generate a sign-up code</p> <p>Then: The system should provide a generated code and store this currently existing code into the database, thus removing the previous code</p>