**Login subsystem**

* any one could access
* Users can Login
* Store token
* Sign up
* Parsing the Token

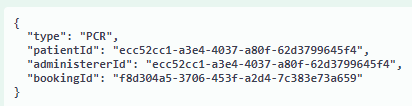
**Search for testing sites (the main user will be users/residents)**

* Any one could access the system
* View the list of testing sites
* searching for the testing facility by providing a suburb name, or the type of facility
* In the additionalIfo, user could see fields that indicate if the facilities provide on-site booking, testing
* In the additionalIfo, user could see fields of facilities’ open/closed, as well as the waiting time

**On-site Booking (the main user will be administrators/receptionists)**

* Only stuff could access the system
* Only make booking for testing facilities allow booking for tests on site
* Administrators input all necessary information of resident
* indicate that they are registering for home testing
* (assuming write information into note fields)
* Once the booking is done, a PIN code will be generated and shown to user
* facility staff could check the booking status by input PIN(assuming that the resident does not have direct access to the online system).

**On-site Testing (the main user will be healthcare workers)**

* Only stuff could access the system
* The healthcare workers/administerer will conduct a brief interview of the user and based on the answer, fill a form on the system
* suggest the appropriate tests
* Create a new Covid test (put type here), you could find it in booking object.
* 
* (the type of covid test can be placed under the covid-test field of the “Booking” object)

**Home Booking Subsystem**

* Any one could access the system
* Has to login first（cannot chose the option without login）
* register for the testing through the system first（booking）
* indicate that they are registering for home testing

(assuming write information into note fields)

* Once the booking is confirmed, the user will be given a QR code and a URL to connect for testing
* The QR code and URL will be stored in additionalIfo field
* Ask and Record if the user need to receive kits from site (indicated while registering for the test)
* an interface for the facility staff can be developed to scan the QR code and update the system that the users have received the RAT kit from the facility
* automatically emails and texts the URL to the user

# A3

## ****On-site Booking (the main user will be residents)****

* Residents can check their current booking status through the ‘profile’, under current active bookings after login
* In profile, it shows all booking but users only can change the booking that is not expired, not be used(hasn’t performed the test yet) and not be canceld
* Residents can modify venue or startTime(at least one) of booking after login
* When doing modification, the system will check the bookingId and see if it’s valid to be modified
  + if the booking is used(user has done CovidTest), we cannot change it
  + if the booking is canceled, we cannot change it
  + if the booking has lapsed(the start date is earlier than today), we cannot change it
  + if the booking is not onsite booking, we cannot change it
* System will check if the date and time is valid(the dateTime should be after today)
* If the residents would like to change their booking to a previous booking, they will be allowed to do so as long as the previous booking is dated at a future date.
* After undo changing, the history will be deleted from memonto
* Residents can cancel a booking.