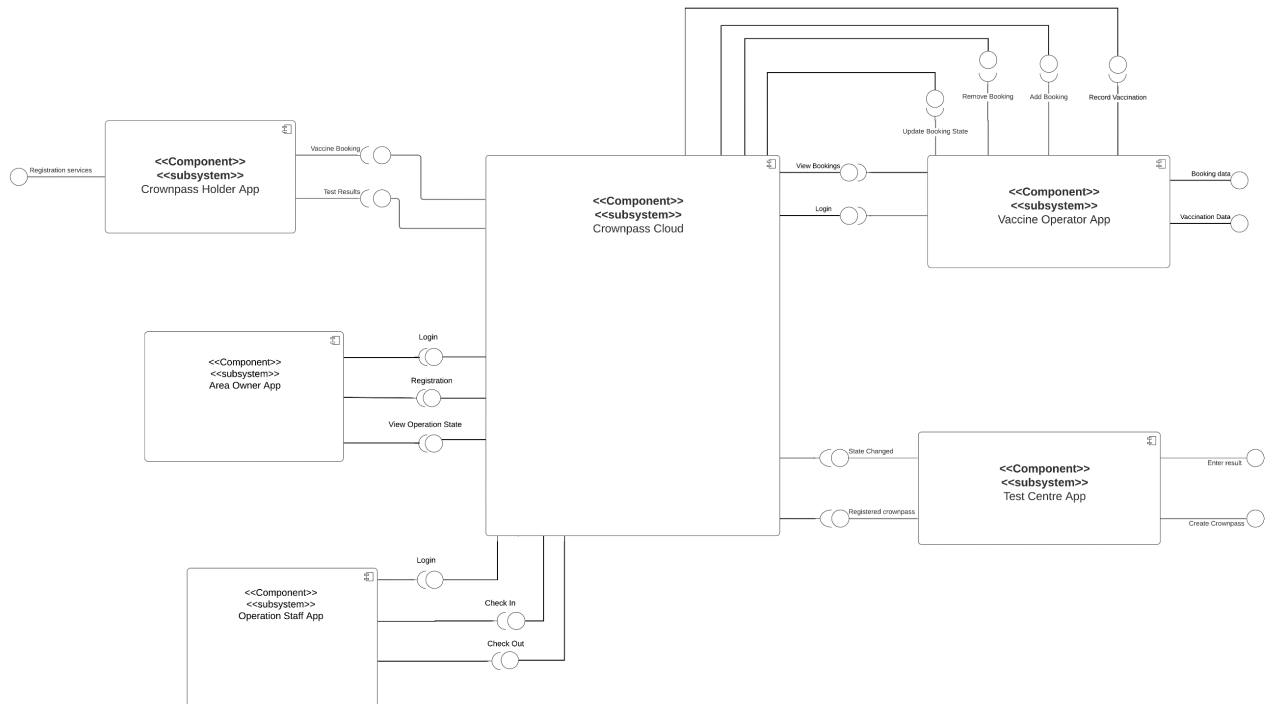
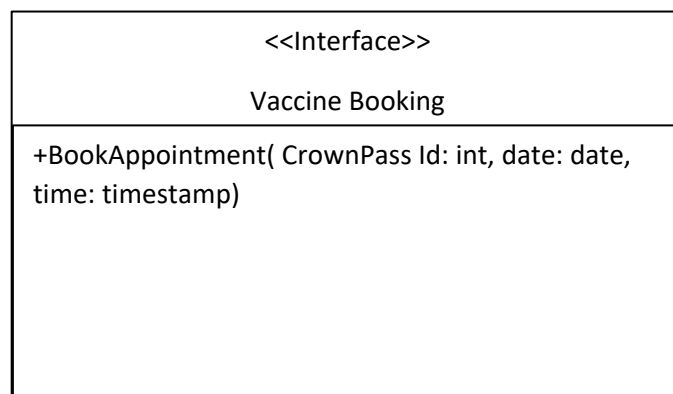
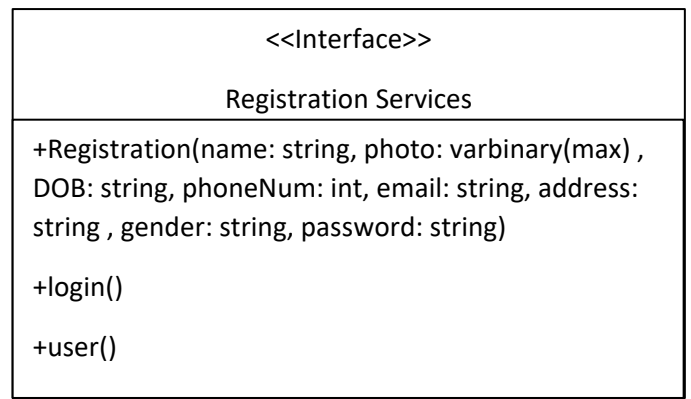
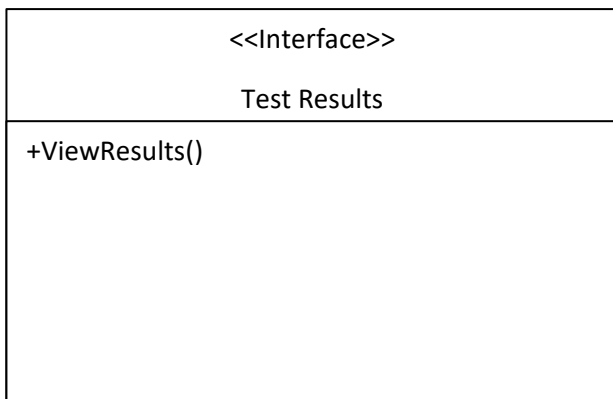


- **Class diagram:** Each member of the group should identify the classes in your subsystem, and to work out what are the needed attributes and methods of the classes and what are the relationship between them. Some classes may be in more than one subsystems, thus can be identified by more than one group members, but such a class may well have different attributes and methods in different subsystems. **The group should work together to merge the sets of classes together and draw a big class diagram for the whole system that includes all classes.**



Interface specification:

Crownpass Holder App:



Vaccine Operator App:

<<interface>> Login
+operatorLogin(email: string, password: string) +operatorRegister(email: string, password: string) +viewDetails() +updateDetails()

<<interface>> View Bookings
+viewBookings(vaccinationSite: string, date: date, timeslot : timestamp)

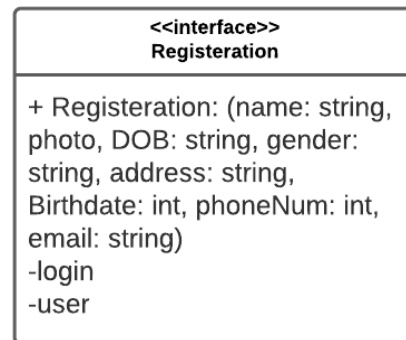
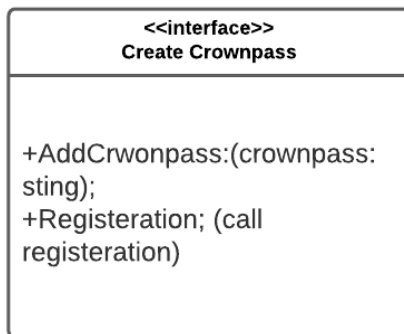
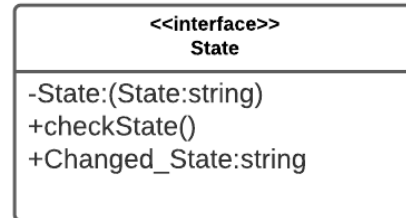
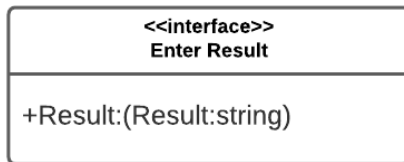
<<interface>> Update Booking State
+updateBookingState(bookingId: int)

<<interface>> Add Booking
+addBooking(vaccinationSite: String, holderId: int, date: date, timeslot : timestamp)

<<interface>> Record Vaccination
+recordVaccination(vaccination: Vaccination) +updateVaccinationState(holderId: int, vaccinationState: string)

<<interface>> Remove Booking
+removeBooking(vaccinationSite: String, holderId: int, date: date, timeslot : timestamp)

Test Centre App:



Area Owner App:

<<interface>> Owner Login
+ownerLogin(email: str, password:str) +ownerRegister(email:str, Password:str)

<<interface>> Registration
+registerArea(name: str, address: str, type: str, capacity: int, contact_no: str) +updateRegistrationData() +viewRegistrationData()

<<interface>> View Operation State
+viewOperationState()

Operation Staff App:

<<interface>> Staff Login
+staffLogin(email: str, password: str)

<<interface>> Check In
+checkIn(crownpassId)

<<interface>> Check Out
+checkOut(crownpassID)