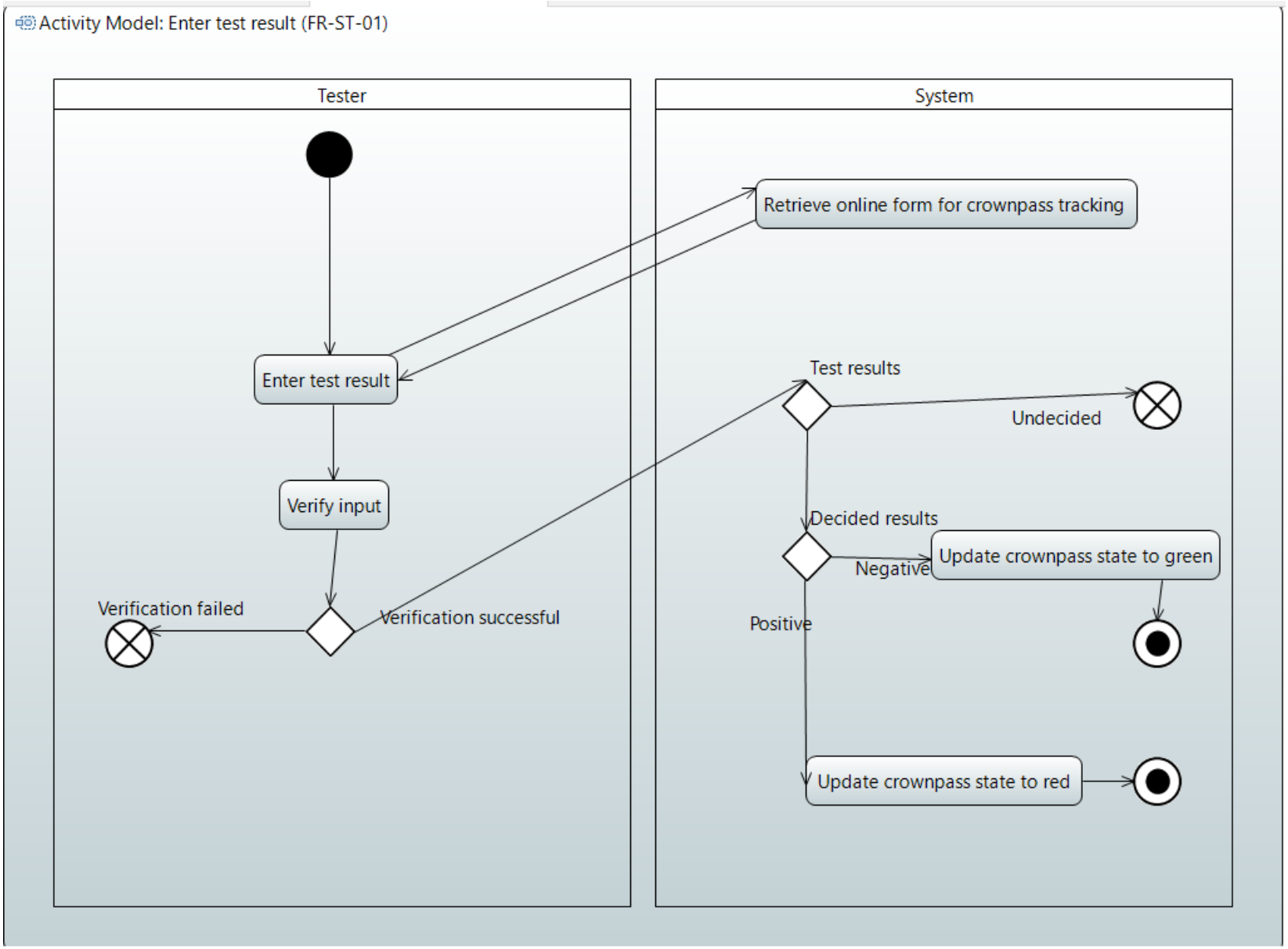
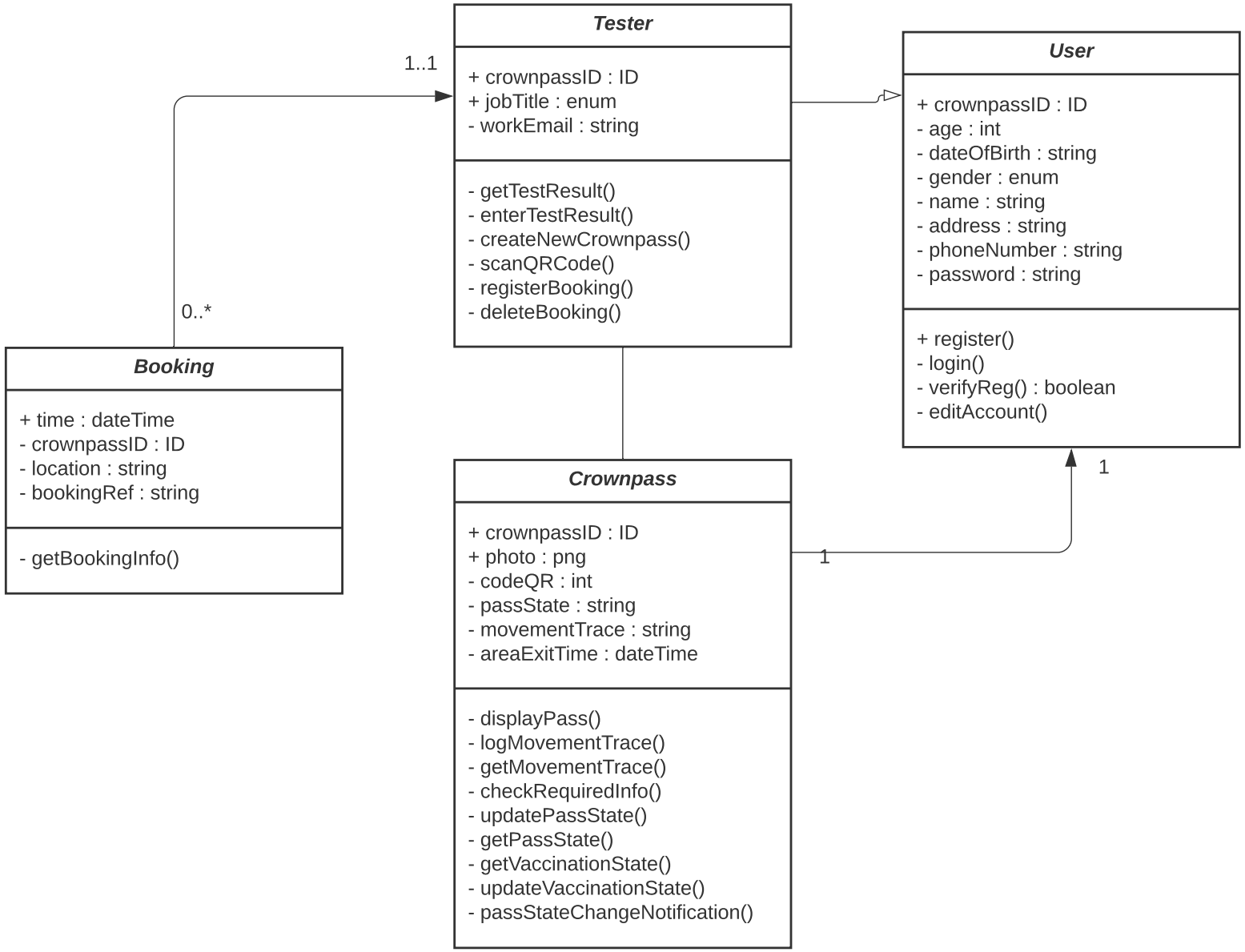
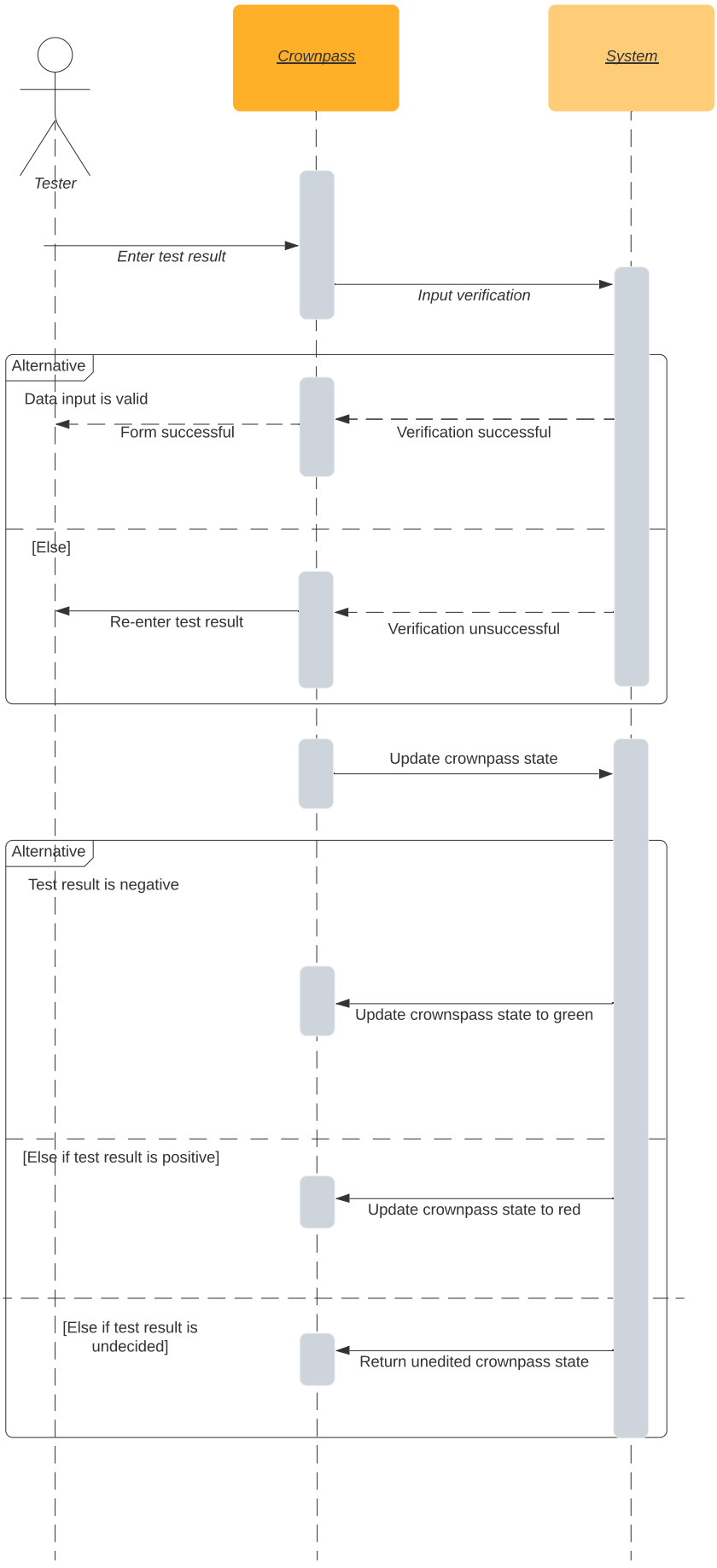
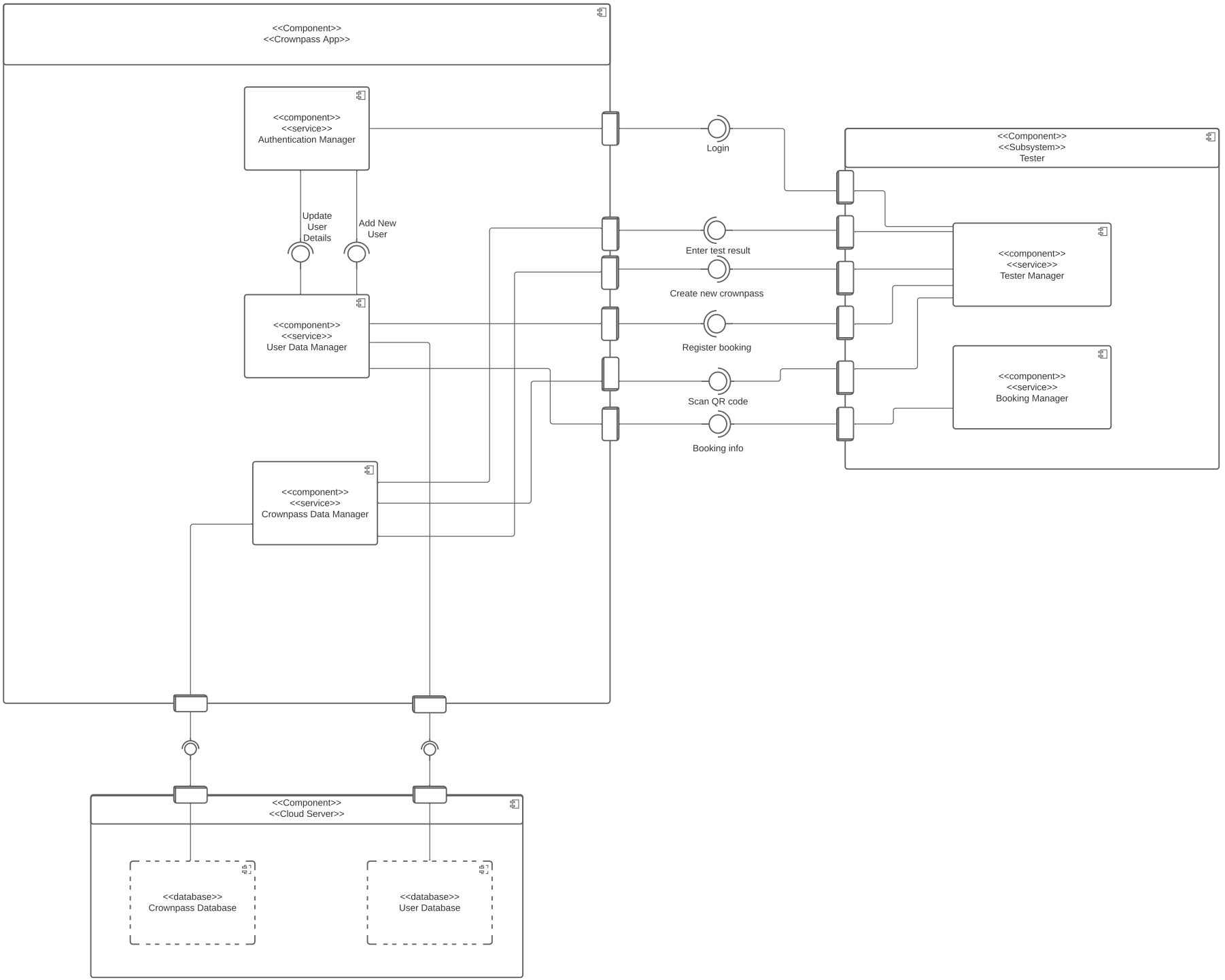

Activity Model: Enter test result (FR-ST-01)
Tester
System
Retrieve online form for crownpass tracking
Enter test result
Verify input
Verification failed
Verification successful
Test results
Undecided
Decided results
Negative
Update crownpass state to green
Positive
Update crownpass state to red

Class diagram Tester

19026013 | December 2, 2021




Crownpass
System
Tester
Enter test result
Input verification
Alternative
Data input is valid
Form successful
Verification successful
[Else]
Re-enter test result
Verification unsuccessful
Update crownpass state
Alternative
Test result is negative
Update crownspass state to green
[Else if test result is positive]
Update crownpass state to red
[Else if test result is undecided]
Return unedited crownpass state


<<Component>>
<<Crownpass App>>
<<component>>
<<service>>
Authentication Manager
Update
User
Details
Add New
User
<<component>>
<<service>>
User Data Manager
<<component>>
<<service>>
Crownpass Data Manager
Login
Enter test result
Create new crownpass
Register booking
Scan QR code
Booking info
<<Component>>
<<Subsystem>>
Tester
<<component>>
<<service>>
Tester Manager
<<component>>
<<service>>
Booking Manager
<<Component>>
<<Cloud Server>>
<<database>>
Crownpass Database
<<database>>
User Database

Test Case	Method and Parameters	Expected Output
Received test result successfully	getTestResult(negative/positive/undecided)	Negative/positive/undecided
Received test result unsuccessfully	getTestResult(negative/positive/undecided)	Error message: “Could not get test result”
Negative test result entered	enterTestResult(negative)	Crownpass state updated to green
Positive test result	enterTestResult(positive)	Crownpass state updated to red
Undecided test result	enterTestResult(undecided)	Crownpass state not updated
Incorrect credentials	enterTestResult(123)	Error message: “Please enter the correct credentials”
Create a new crownpass successfully	createNewCrownpass(crownpassID, age, dateOfBirth, gender, name, photo, address, phoneNumber). Example: createNewCrownpass(12345, 22, 09/12/1999, female, Hege, photo, 1 address rd, 07766655544)	A new crownpass is successfully created for the user with all of their correct information
Creating a new crownpass unsuccesfully	createNewCrownpass(crownpassID, age, dateOfBirth, gender, name, photo, address, phoneNumber) Example: createNewCrownpass(12#45, age, nope, 54, Winnie, photo, 1 address rd, 07766655544)	Error message: “Something went wrong, make sure you enter the correct credentials”
Scan the users QR code successfully	scanQRCode(QR)	QR code scanned and the user’s crownpass is being displayed
Scan the users QR code unsuccessfully	scanQRCode(QR)	Error message: “Could not scan QR code”
Making a booking for testing a user successfully	makeBooking(crownpassID, name, dateOfBirth, phoneNumber, time, testCentre) Example: makeBooking(12345, Hege, 09/12/1999, 07766655544, 15:00, Oxford Test Centre)	A booking is successfully made for testing of the user, and a booking reference has been generated which is linked to the booking.
Making a booking for testing a user unsuccessfully	makeBooking(crownpassID, name, dateOfBirth, phoneNumber, time, testCentre)	Error message: “Something went wrong, could not make booking. Make sure you enter the correct credentials”

Scenario description: Enter test result (FR-ST-01)

Tester	System
1.Begin test result form for the test booking	2. Retrieve online form for crownpass tracking
3. Enter test result into form of booking	
4. Submit form to be verified	5. Verify input
	5. Alt 1. If verification failed, cancel form/activity
	5. Alt 2. Check if test results are undecided
	6. Alt 1. If test result undecided, cancel activity (do not update crownpass)
	6. Alt 2. If test result is decided, go on to check result
	7. Alt 1. If test result is negative, update crownpass state to green
	7. Alt 2. If test result is positive, update crownpass state to red

Test process

1. Begin test result form for the test booking
2. Retrieve online form for crownpass tracking
3. Enter test result into form of booking
4. Submit form to be verified
5. Verify input
    a) Alt 1: If verification failed, cancel form/activity
    b) Alt 2: If verification is successful, move on
6. Check if test results are undecided
    a) Alt 1: If test result is undecided, cancel activity (do not update crownpass)
    b) Alt 2: If test result is decided, move on
7. Update crownpass state

a) Alt 1: If test result is negative, update crownpass state to green
   Expected output: Crownpass state info which is updated to green
   Check: That the crownpass state got updated to the correct state
b) Alt 2: If test result is positive, update crownpass state to red
   Expected output: Crownpass state info which is updated to red
   Check: That the crownpass state got updated to the correct state