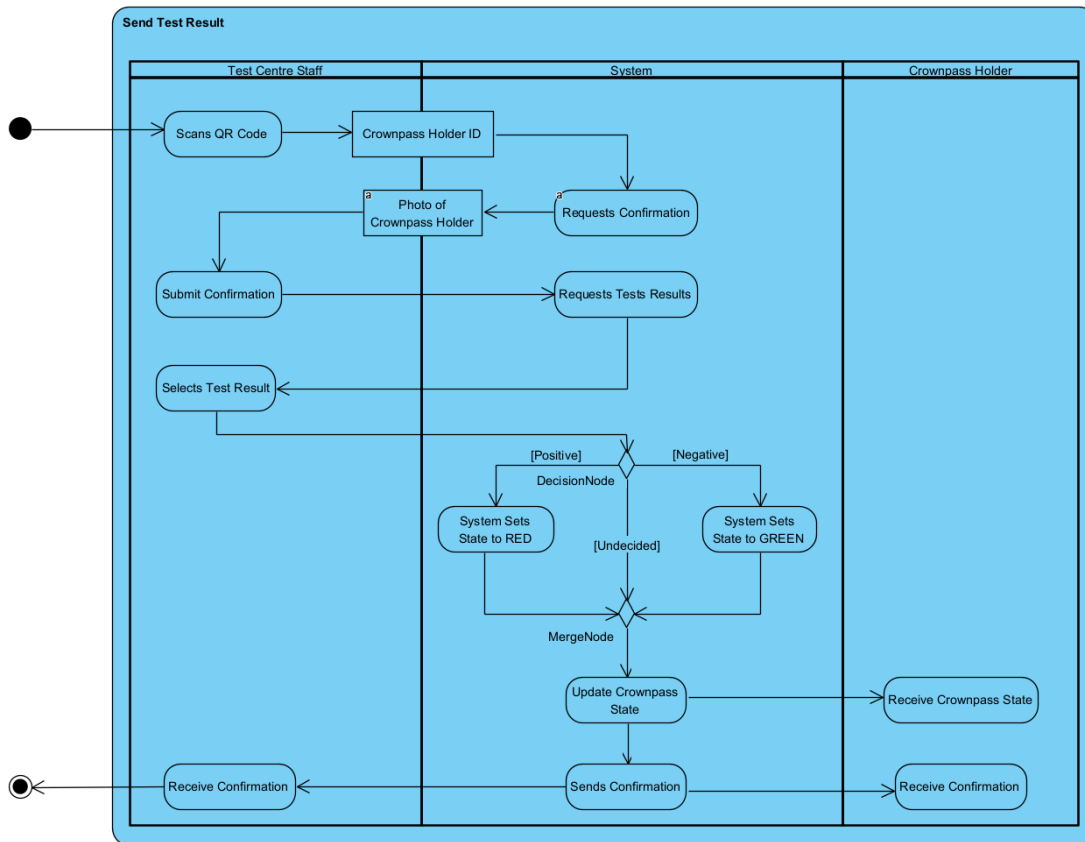
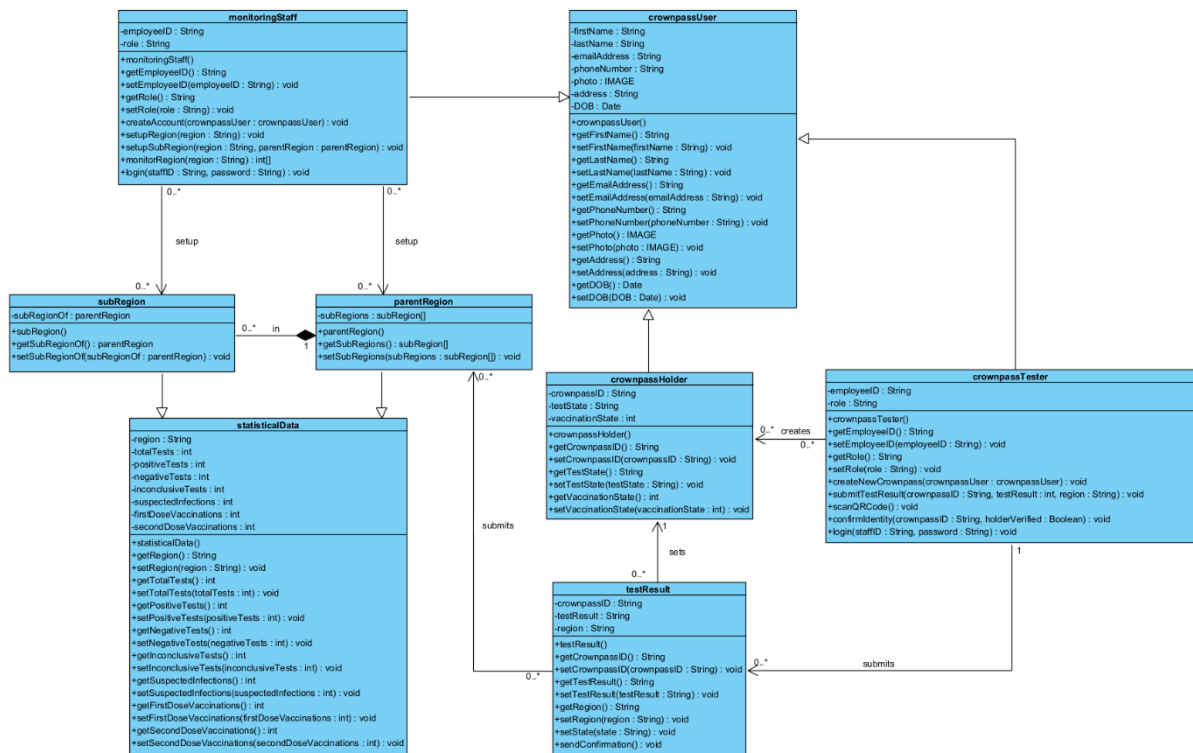


Crownpass Tester Documentation

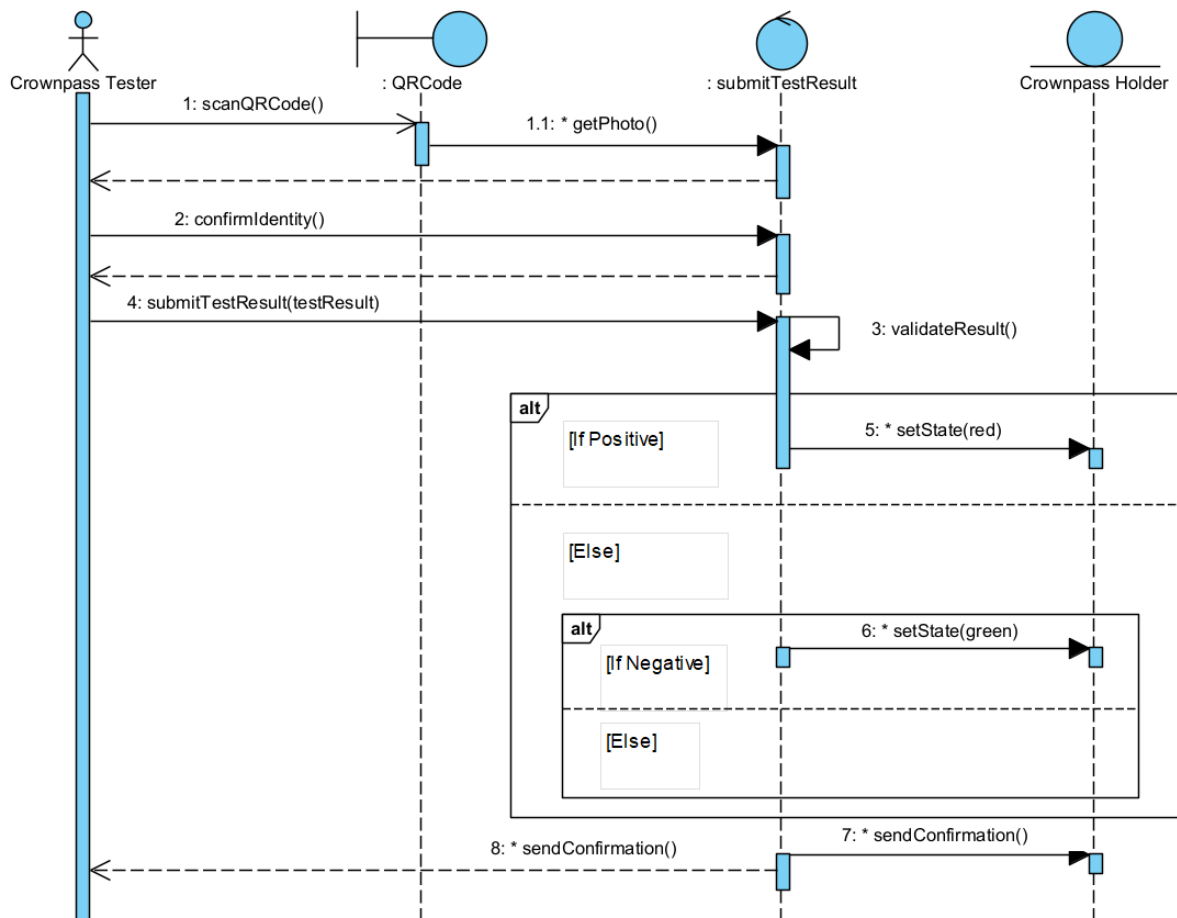
Activity Diagram



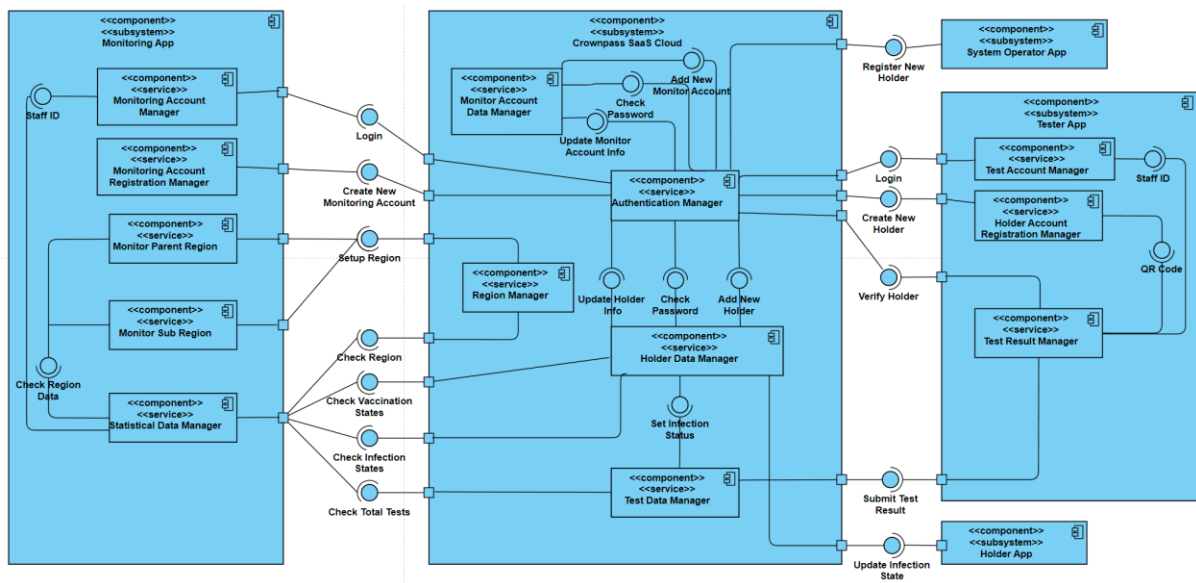
Class Diagram



Sequence Diagram



Component Diagram



Unit Test Plan

Test Case	Methods and Parameters	Expected Output
Create new crownpass holder successfully	createNewCrownpass(John, Smith, johnsmith@gmail.com , 07722039181, [photo], 2 Edgeville View OX39UA, 21/01/2001)	A unique crownpass ID is generated for the new crownpass holder. The crownpass ID, first name, last name, email address, phone number, address and date of birth are all appended to the crownpass holders account database.
Create new crownpass holder failed	createNewCrownpass(John, Smith, johnsmith@gmail.com , 000000000000, [photo], 2 Edgeville View OX39UA, 21/01/2001)	No data is appended to the crownpass holders account database. An error message is displayed on the screen.
Positive test result submitted successfully	submitTestResult(CPH12345, Positive, Oxfordshire)	Crownpass holder receives positive test result update. Their crownpass state will update to red to reflect that.
Negative test result submitted successfully	submitTestResult(CPH12345, Negative, Oxfordshire)	Crownpass holder receives negative test result update. Their crownpass state will update to green to reflect that.
Inconclusive test result submitted successfully	submitTestResult(CPH12345, Inconclusive, Oxfordshire)	Crownpass holder receives inconclusive test result update. Their crownpass state will receive no update.
Test result submission failed	submitTestResult(CPH12345, wronginput, Oxfordshire)	Crownpass holder receives no update. An error message is displayed on the screen.
Login successful	login(CPT12345, c0rrectP45\$WORD)	Tester CPT12345 is successfully signed in.
Login unsuccessful	login(CPT12345, wr0ngPassword)	User is not signed in. An error message is displayed on the screen.
Identify confirmed	confirmIdentity(CPH12345, True)	Identity of CPH12345 is confirmed. Tester is displayed with menu to input test result.
Identity not confirmed	confirmIdentity(CPH12345, False)	Identity of CPH12345 is not confirmed. A message confirming this is displayed on the screen.
Identity confirmation failed	confirmIdentity(CPH12345, null)	Identity of CPH12345 is not confirmed. An error message is displayed on the screen.
QR code scanned successfully	scanQRCode([valid holder QR code])	QR code is read successfully and matches that of a crownpass holder in the crownpass holders accounts database. System displays photo of relevant crownpass holder.
QR code could not be scanned	scanQRCode([invalid holder QR code])	QR code is not read successfully. An error message is displayed on the screen.

System Test Plan

Test Case: Submit Positive Test Result		
Test Data		
Input	Stored Data	Output
Crownpass holder: Scan valid QR Code	On crownpass holder's mobile app: QR Code	Photo of crownpass holder
Confirm holder identity: True	Crownpass holder info: crownpassID [photo] testState	Verification Menu
Test result: positive	Test result options: positive negative inconclusive	List of Test Result Options
		Crownpass state
		Confirmation
Test Process		
Test Centre Staff	System	Crownpass Holder
1. Scan QR Code of crownpass holder		
	2. Get photo of crownpass holder	
3. Get confirmation menu		
	4. Get test result options	
5. Input test result		
	6. Set testState to red	
		7. Receive red crownpass state
	8. Send confirmation	
		9. Receive confirmation
10. Receive confirmation		

Test Case: Submit Negative Test Result		
Test Data		
Input	Stored Data	Output
Crownpass holder: Scan valid QR Code	On crownpass holder's mobile app: QR Code	Photo of crownpass holder
Confirm holder identity: True	Crownpass holder info: crownpassID [photo] testState	Verification Menu
Test result: negative	Test result options: positive negative inconclusive	List of Test Result Options
		Crownpass state
		Confirmation
Test Process		
Test Centre Staff	System	Crownpass Holder
1. Scan QR Code of crownpass holder		
	2. Get photo of crownpass holder	
3. Get confirmation menu		
	4. Get test result options	
5. Input test result		
	6. Set testState to green	
		7. Receive green crownpass state
	8. Send confirmation	
		9. Receive confirmation
10. Receive confirmation		

Test Case: Submit Inconclusive Test Result		
Test Data		
Input	Stored Data	Output
Crownpass holder: Scan valid QR Code	On crownpass holder's mobile app: QR Code	Photo of crownpass holder
Confirm holder identity: True	Crownpass holder info: crownpassID [photo] testState	Verification Menu
Test result: inconclusive	Test result options: positive negative inconclusive	List of Test Result Options
		Crownpass state
		Confirmation
Test Process		
Test Centre Staff	System	Crownpass Holder
1. Scan QR Code of crownpass holder		
	2. Get photo of crownpass holder	
3. Get confirmation menu		
	4. Get test result options	
5. Input test result		
	6. Set testState with no change	
		7. Receive no change crownpass state
	8. Send confirmation	
		9. Receive confirmation
10. Receive confirmation		