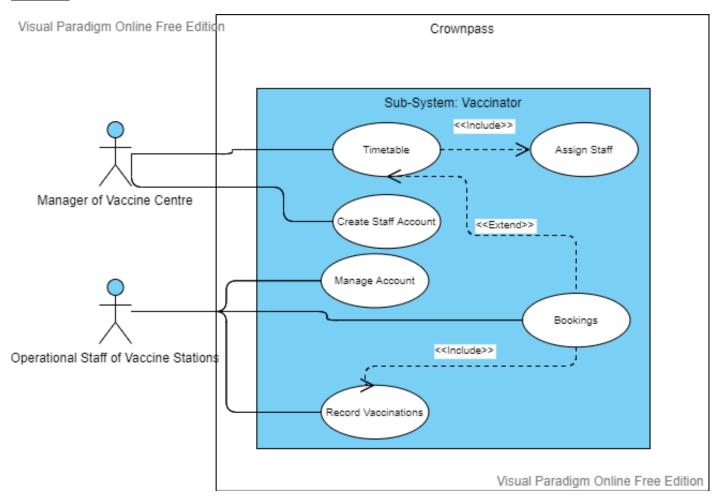
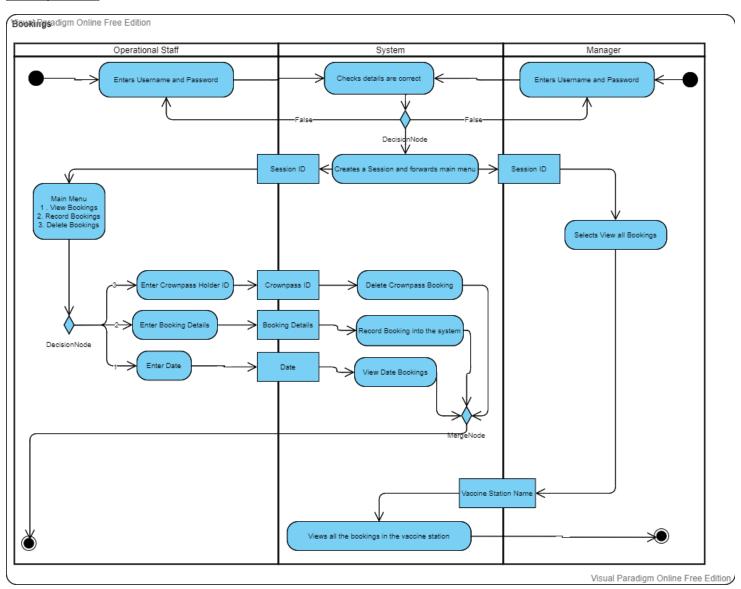
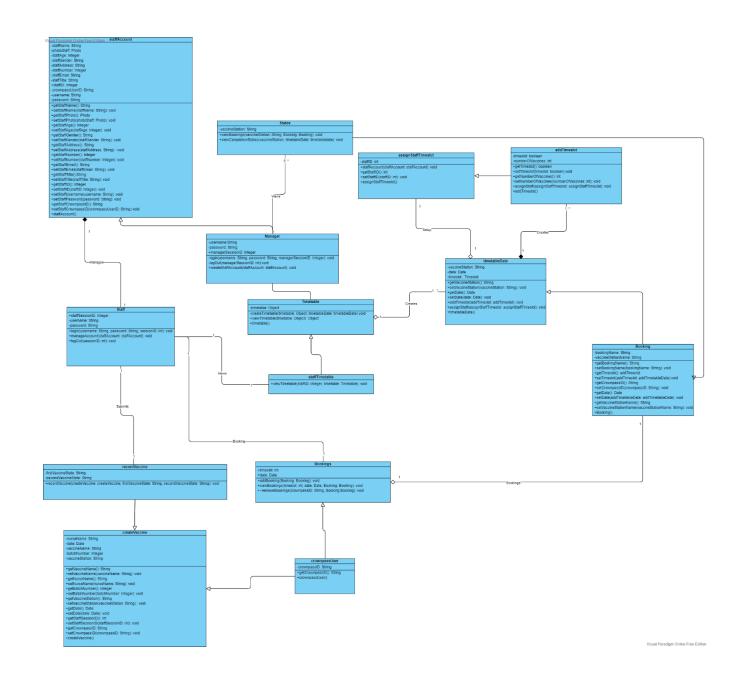
Use Case:



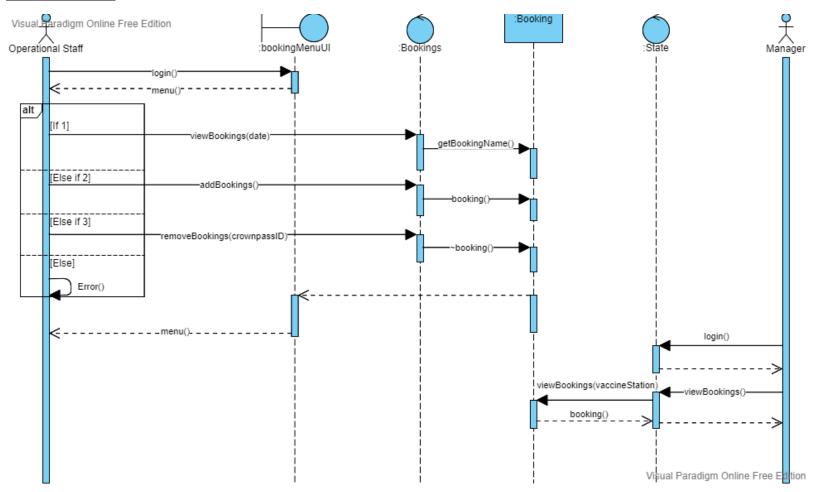
Activity Model:



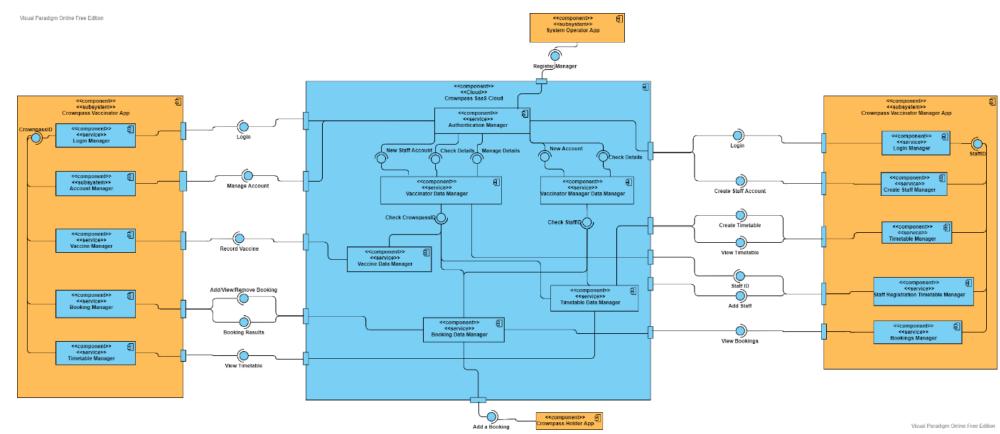
Structural Model:



Behaviour Model:



Architecture of the Subsystem:



Unit test plan for the class "staffAccount":

Test Number:	Test Case:	Actor	Variables Used:	Functions Used:	Inputs:	Expected Result:	Required Expectations:
1	Add the staff members name and check that it has set it	Manager	staffName : String	setStaffName(staffName: String) getStaffName()	Name of the staff member	The setter should set the name and then the getter should get the name	N/A
2	Set the staff photo and check that it has uploaded	Manager	photoStaff: Photo	setStaffPhoto(photoStaff : Photo) getStaffPhoto()	Jpg or png of the photo	The setter will need to have an upload feature where the manager can upload the picture and then using the getter check the image	Staff Name
3	Set the staff member age and check that it has set it	Manager	staffage: Integer	setStaffAge(staffage: Integer) getStaffAge()	Age of the staff member	The setter should et the age using an input box and then the getter should show it	Staff Name Staff Photo
4	Choose the staff gender with an option list and check that it has worked	Manager	staffGender : String	setStaffGender(staffGender: String) getStaffGender()	Choose the staff gender	The setter should be an option select where you select the option of the gender from an option list and the getter that checks that the	Staff Name Staff Photo Staff Age

						gender has gone through	
5	Enter the staff address with different input boxes but then combine them with the setter and display it	Manager	staffAddress: String	setStaffAddress(staffAddress: String) getStaffAddress()	Address Line 1 and 2 Postcode City County	The setter should set the string in a format where the getter can then display them line by line	Staff Name Staff Photo Staff Age Staff Gender
6	Staff Phone Number should be entered in an input box with validation and then displayed to check it	Manager	staffNumber: Integer	setStaffNumber(staffNumber: Integer) getStaffNumber()	N/A	The setter should be used to get the input box and check that the phone number is valid by checking how many digits it has and then displaying it using the getter	Staff Name Staff Photo Staff Age Staff Gender Staff Address
7	Staff Email address needs to be entered in an input box with validation and then	Manager	staffEmail: String	setStaffEmail(staffEmail: String) getStaffEmail()	Email address	The setter should check if the email ends in either or .com, .co.uk, .org etc and has a @ in it so it's a valid email and then	Staff Name Staff Photo Staff Age Staff Gender Staff Address Staff Phone Number

	displayed to check it					getter is used to display it	
8	Staff Job Title can be chosen from an option list (Nurse, receptionist, doctor onsite manager) and then the display it to check it	Manager	staffTitle: String	setStaffTitle(staffTitle: String) getStaffTitle()	Choose Title	The setter should read from the option list and set the variable as that option only and the getter displays that title	Staff Name Staff Photo Staff Age Staff Gender Staff Address Staff Phone Number Staff Email
9	Staff ID should be generated using an algorithm	Manager	staffID: Integer	setStaffID(staffID: Integer) getStaffID()	N/A	The setter should be used to generate the numbers a unique 6-digit number and then the getter should display it.	Staff Name Staff Photo Staff Age Staff Gender Staff Address Staff Phone Number Staff Email Staff Job Title
10	Staff ID Optional	Manager	staffID: Integer	setStaffID(staffID: Integer) getStaffID()	N/A	If the Manager chooses the staff id can be skipped with a check box if not required	Staff Name Staff Photo Staff Age Staff Gender Staff Address Staff Phone Number Staff Email Staff Job Title
11	Generate the Crownpass	Manager	crownpassUserID: String	setStaffCrownpassID(crownpassUserID: String) getStaffCrownpassiD()	N/A	Using the same generate algorithm used	Staff Name Staff Photo Staff Age

	User ID					for the other	Staff Gender
	using the					subsystems	Staff Address
	same					generates a	Staff Phone Number
	methods as					string for the id	Staff Email
	the other					using the setter	Staff Job Title
	subsystem					method and	
	and					display it to	
	displaying it					check with the	
	to check it					getter	
12	Staff User	Manager	username: String	setStaffUsername(username:String)	Username	The setter	Staff Name
	name can be					method should	Staff Photo
	inputted					check that the	Staff Age
	into input					username meets	Staff Gender
	box					a specification so	Staff Address
	however					the username	Staff Phone Number
	needs to					cant be guessed	Staff Email
	meet a					against an	Staff Job Title
	specification					attacker	Staff Crownpass ID
13	Staff	Manager	Password: string	setStaffPassword(password: String)	Password	The setter	Staff Name
	Password				X 2	method	Staff Photo
	can be					compares two	Staff Age
	entered into					input boxes to	Staff Gender
	two input					make sure they	Staff Address
	boxes to					match and	Staff Phone Number
	compare					makes sure that	Staff Email
	them and it					it meets the	Staff Job Title
	is hashed					password spec	Staff Crownpass ID
						for security	Staff Username
						strength	
14	All tests	Manager	N/A	staffAccount()	N/A	The constructor	N/A
	shown can					with all tests	
	be					setters can set all	
	submitted					the user details	

using the		and then the	
constructor		getters are used	
		to access that	
		data when	
		needed	

System Test Plan for the use case "Record Vaccinations" on the sub system "Vaccinator":

Test Number:	Test Case:	Actor:	Test Case Type:	Inputs (If Any):	Expected Results:	Notes:
1	Be able to enter and check a valid crownpassID	Operational Staff	Functional Requirement	crownpassID : Int	The crownpass ID will be checked if its valid and be able to enter the next data set	
2	Be able to select the timeslot of the booking	Operational Staff	Functional Requirement	Option: int	The booking will appear on screen that the crownpassid which has been chosen and you just got to click that option and moves you on to the next data set	
3	Be able to select from an option panel which vaccine was injected	Operational Staff	Functional Requirement	Select (Option list)	Option is selected from the list with the vaccine provided from the centre as its more secure	
4	Be able to enter the batch	Operational Staff	Functional Requirement	vaccineBatchNumber: Int	The batch number is entered and	

	number of the vaccine				bought to the next data set	
5	Be able to select which nurse conducted the injection	Operational Staff	Functional Requirement	Select(Option List)	Select the nurse that is on duty at the time of the injection.	
6	Automated Staff ID	Operational Staff	Functional Requirement	N/A	The staff entering the information is automatically put on the form with the sessionID	
7	Be able to submit the form	Operational Staff	Required Design Feature	Submit Button	The form should be submitted and added to the storage of the crownpass id information	
8	The system should change the colour of the vaccinated state	System	Functional Requirement	N/A	When submitted the vaccine state should change to light blue if it is the first and dark blue if it is the second	Two submits on the same crownpass has to be done for this test to pass.
9	Be able to fill in the form in a mobile app version	Operational Staff	Required Design Feature	Test numbers 1-8	Be able to complete all the tests in the mobile app version	The inputs are the tests conducted between 1 -6 so all of them tests must succeed on the mobile app for this test to pass
10	Be able to fill in the form in the desktop version	Operational Staff	Required Design Feature	Test numbers 1-8	Be able to complete all the tests provided on the	The inputs are the tests conducted between 1 -6 so all

					desktop web-based version	of them tests must succeed on the web-based desktop version for this test to pass
11	For the vaccine submission form the response time should be no less than 3 seconds	System	Performance	N/A	Set a timer and conduct the submission and it should be no more than 3 seconds	
12	Be able to enter the vaccine results at any time 24 hours a day, 7 days a week	Operational Staff	Reliability	Form	Test it at off peak times and collect data and monitor the servers	For this test to succeed, submit the forms at off peak times and the test will be passed
13	Mobile app failure rate for submitting the vaccine	System	Reliability	N/A	When using the mobile app for the vaccine submission the mobile app shouldn't fail. The failure rate per platform should be less than 0.3%	
14	Submitting the vaccine data failure rate	System	Reliability	Form	The failure rate when submitting to the system should be lower than 0.0001%	

15	Automated state change failure rate	System	Reliability	N/A	The failure rate when submitting the form and the state is change should be less than 0.0001%
16	The user should be able to see their vaccine data	Holder/ User	Security and Privacy Protection	N/A	The crownpassID used when entering the vaccine data should be able to see their results and state but not modify it
17	For entering the vaccine results on the mobile app, the platform being used can be the top 5 operating systems and the top 10 makes and models	Operational Staff	Platform Compatibility	N/A	Try the top 5 operating systems and the top 10 makes and models and it works when submitting the vaccine data
18	For entering the vaccine results on the desktop web based version, it should work on Windows, Mac and Linux operating system and	Operational Staff	Platform Compatibility	N/A	Test it on all the operating systems and on all the browsers listed in the test case and it should all work.

19	works on Chrome, Firefox and Safari web browsers The mobile app GUI for entering the vaccine results should be easy to use and accessible	N/A	Usability	N/A	Let users try out the GUI on a beta test trial and make sure its easy to use
20	The mobile app GUI for entering the vaccine results should comply with accessibility standards	N/A	Usability	N/A	Make sure that the system for adding the vaccine results comply with accessibility standards
21	The mobile app GUI for entering the vaccine results should adapt the screen size automatically	Operational Staff	Usability	N/A	Try it out on different size devices like tablets and phones with different screen sizes
22	The mobile app GUI for entering the vaccine results should be identical on different platforms	Operation Staff	Usability	N/A	Try it out on Android, Google Pixel, Apple and any other platform to make sure its identical