COMP6030 Software Engineering

Crownpass - Holder Subsystem

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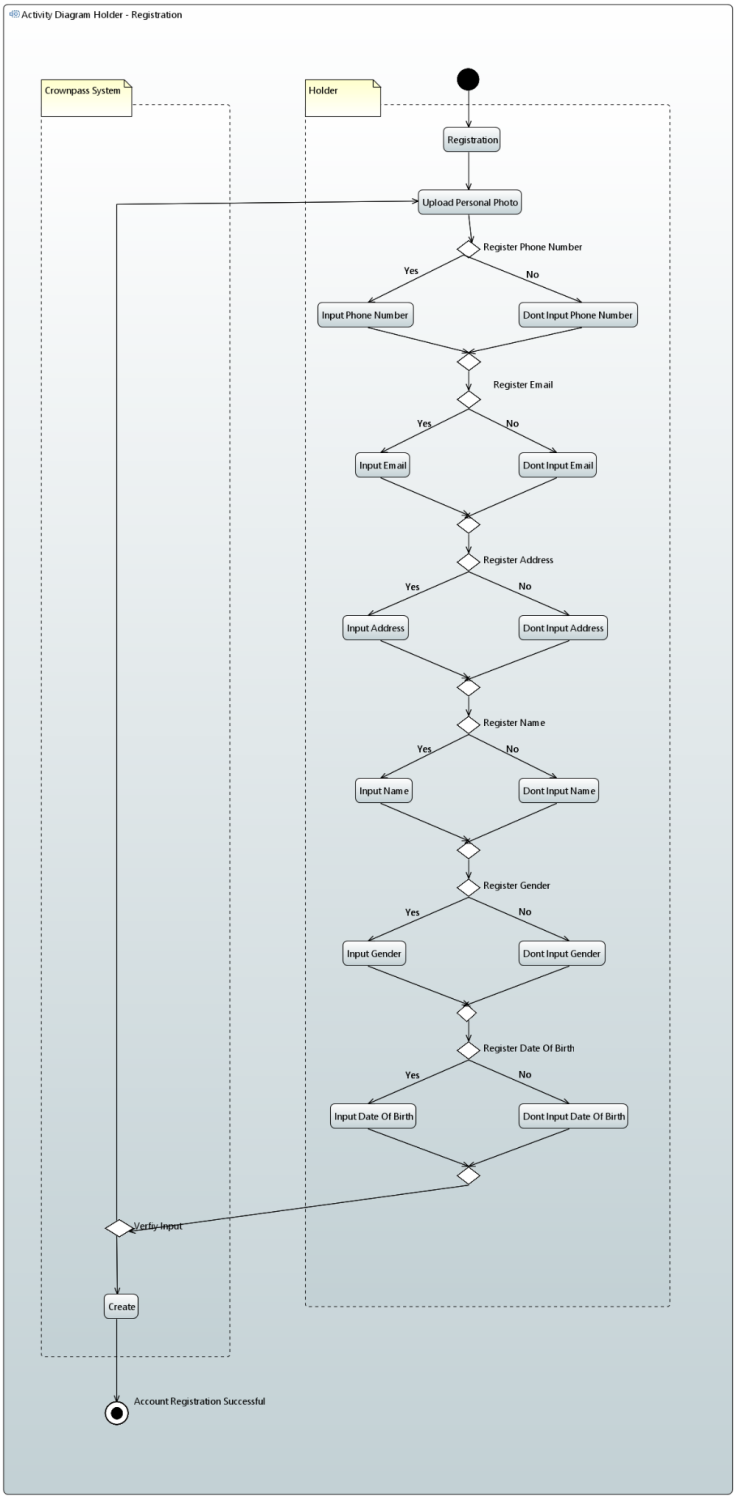
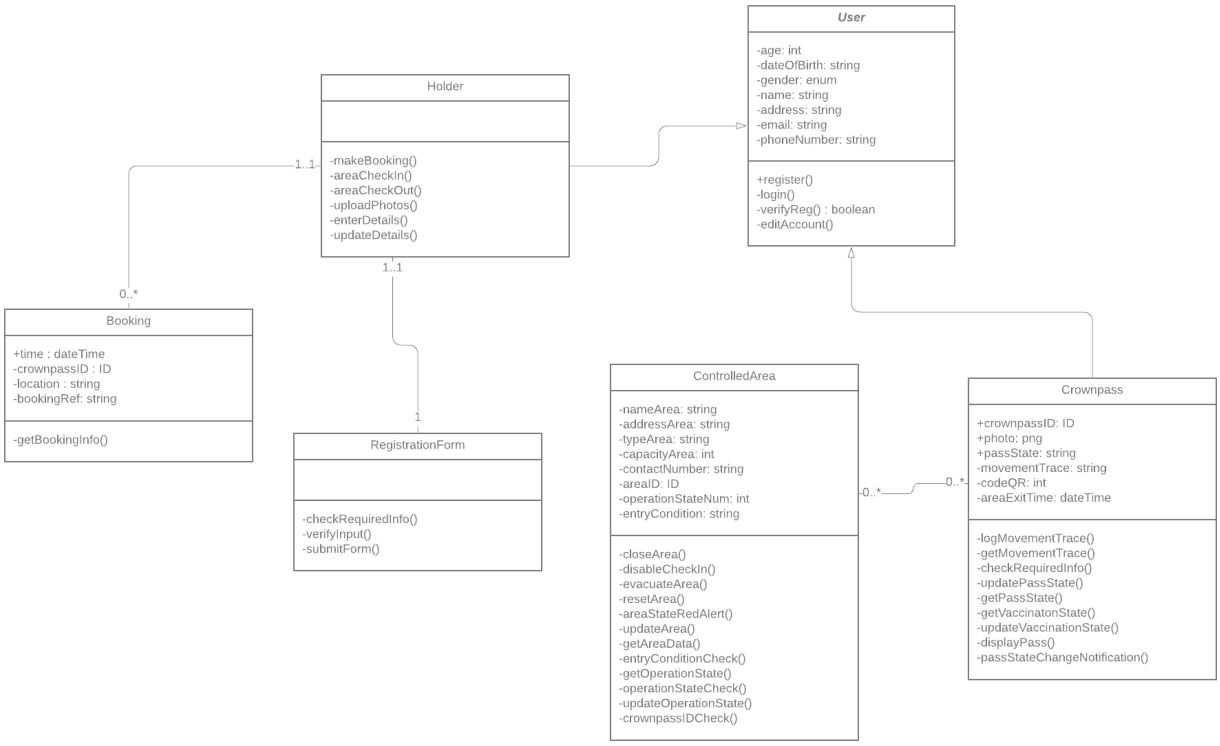
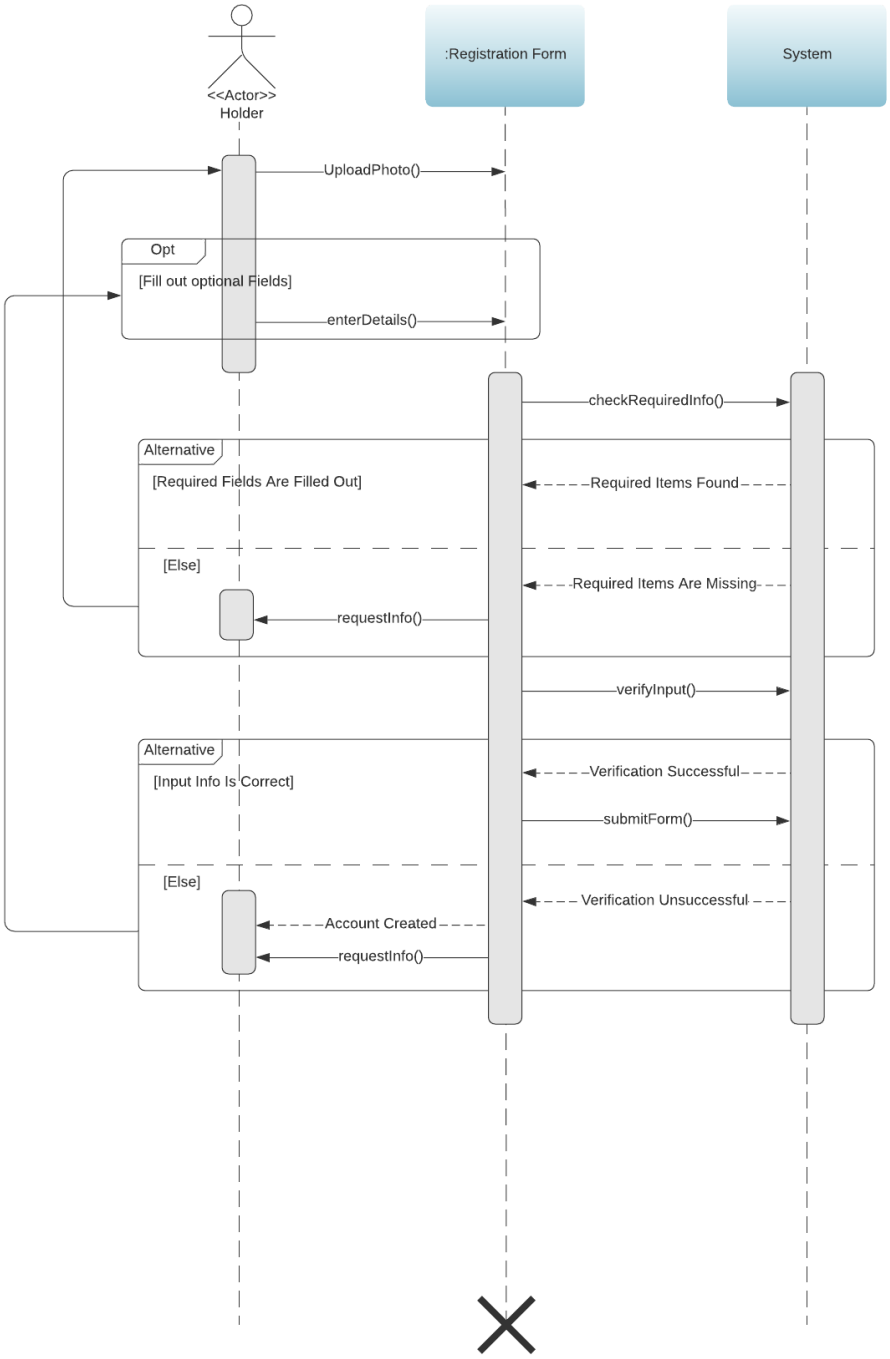
Activity Diagram



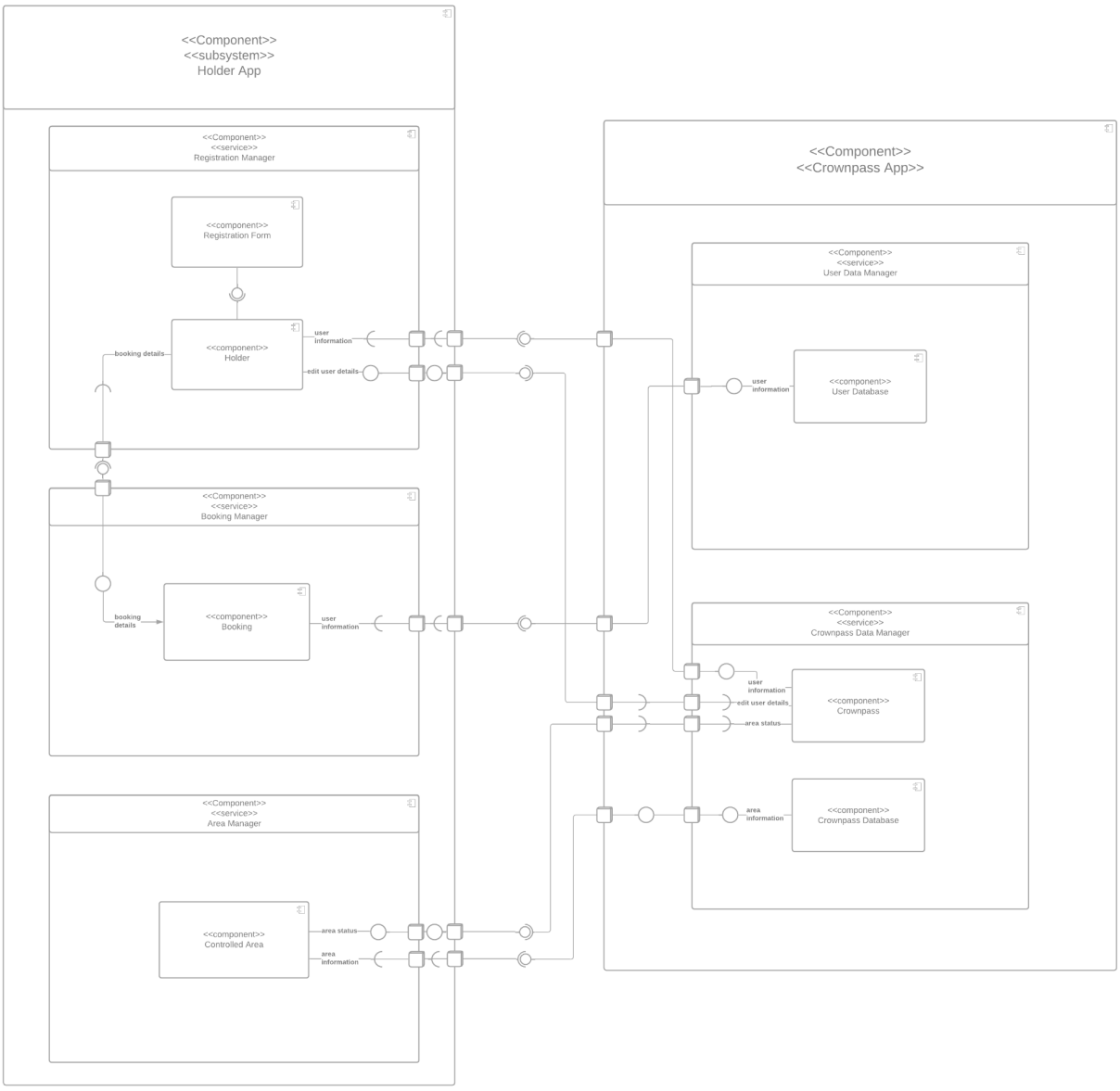
Class Diagram



Sequence Diagram



Component Diagram



Test Plans

Unit Test Plan - Holder Subsystem

Class to test:	Holder	
Test Case:	Method and Parameters	Expected Output
Booking successful	makeBooking(time, ID)	Booking confirmation
Booking unsuccessful	makeBooking(time, ID)	Error message
Check-In successful	areaCheckIn(location, time, passState)	Check-In confirmation
Check-In unsuccessful	areaCheckIn(location, time, passState)	Error message
Check-Out successful	areaCheckOut(location, time, passState)	Check-Out confirmation
Check-Out unsuccessful	areaCheckOut(location, time, passState)	Error message
Photo upload successful	uploadPhoto(photo)	Photo displayed in account
Photo upload unsuccessful	uploadPhoto(photo)	Error message
Details entered successful	enterDetails(name, age, dateOfBirth, gender, address, email, phoneNumber)	Confirmation message
Details entered unsuccessful	enterDetails(name ,age, dateOfBirth, gender, address, email, phoneNumber)	Error message
Update details successful	updateDetails(name, age, dateOfBirth, gender, address, email, phoneNumber)	Confirmation message
Update details unsuccessful	updateDetails(name, age, dateOfBirth, gender, address, email, phoneNumber)	Error message

System Test Plan

Use case: Registration

Scenario 1: The required information is input but the optional fields are blank

Holder	System
1. Upload personal photo	
2. Input phone number (no input)	
3. Input email (no input)	
4. Input address (no input)	
5. Input name (no input)	
6. Input gender (no input)	
7. Input date of birth (not input)	
	8. Verify
	9. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: blank Stored data: On Cloud: - Registered account - User info Output: - Crownpass account - Photo of user	Set up test context: - App: Personal details are blank - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: No output Check: if output matches the expected Verify Expected output: Form submitted Check: If form was submitted

Scenario 2: The required information is input but the optional fields are blank and verification has failed

Holder	System
10. Upload personal photo	
11. Input phone number (no input)	
12. Input email (no input)	
13. Input address (no input)	
14. Input name (no input)	
15. Input gender (no input)	
16. Input date of birth (not input)	
	17. Verify (failed)
	18. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: blank Stored data: On Cloud: - Registered account - User info Output: - Error Message	Set up test context: - App: Personal details are blank and verification failed - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: No output Check: if output matches the expected Verify Expected output: Form not submitted Check: If form was rejected

Scenario: The required information is input and only some of the optional fields are filled

Holder	System
1. Upload personal photo	
2. Input phone number	
3. Input email (no input)	
4. Input address	
5. Input name (no input)	
6. Input gender (no input)	
7. Input date of birth (not input)	
	8. Verify
	9. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: only some optional details Stored data: On Cloud: - Registered account - User info Output: - Crownpass account - Photo of user - Details of user	Set up test context: - App: Some personal details present - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: user details Check: if output matches the expected Verify Expected output: Form submitted Check: If form was submitted

Scenario: The required information is input and only some of the optional fields are filled and verification has failed

Holder	System
10. Upload personal photo	
11. Input phone number	
12. Input email (no input)	
13. Input address	
14. Input name (no input)	
15. Input gender (no input)	
16. Input date of birth (not input)	
	17. Verify (failed)
	18. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: only some optional details Stored data: On Cloud: - Registered account - User info Output: - Error Message	Set up test context: - App: Some personal details present - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: user details Check: if output matches the expected Verify Expected output: Form not submitted Check: If form was rejected

Scenario: The required information is input and all optional fields are filled

Holder	System
1. Upload personal photo	
2. Input phone number	
3. Input email	
4. Input address	
5. Input name	
6. Input gender	
7. Input date of birth	
	8. Verify
	9. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: all details present Stored data: On Cloud: - Registered account - User info Output: - Crownpass - Photo of user - Details of user	Set up test context: - App: All personal details present - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: user details Check: if output matches the expected Verify Expected output: Form submitted Check: If form was submitted

Scenario: The required information is input and optional fields are filled but the verification failed

Holder	System
1. Upload personal photo	
2. Input phone number	
3. Input email	
4. Input address	
5. Input name	
6. Input gender	
7. Input date of birth	
	8. Verify (failed)
	9. Create

Test Data	**Test Process**
Input: - Photo: picture of user - Personal details: all details present Stored data: On Cloud: - Registered account - User info Output: - Error Message	Set up test context: - App: All personal details present - Database: - Upload Photo Expected output: “photo found” Check: if output matches the expected Enter details Expected output: user details Check: if output matches the expected Verify Expected output: Form not submitted Check: If form was rejected