COMP6030 Software Engineering

Crownpass - Holder Subsystem

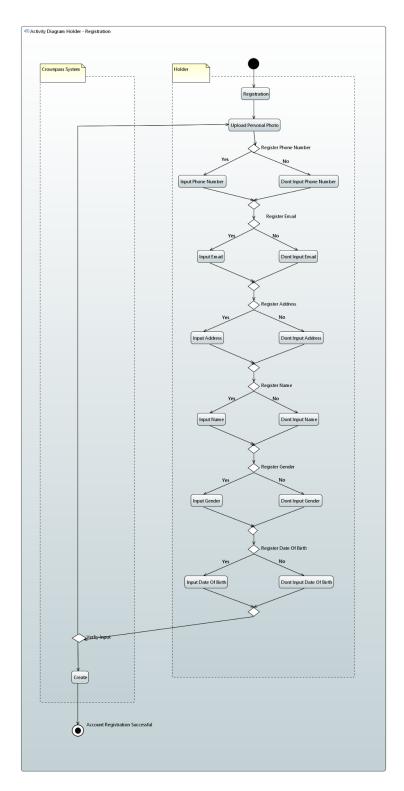
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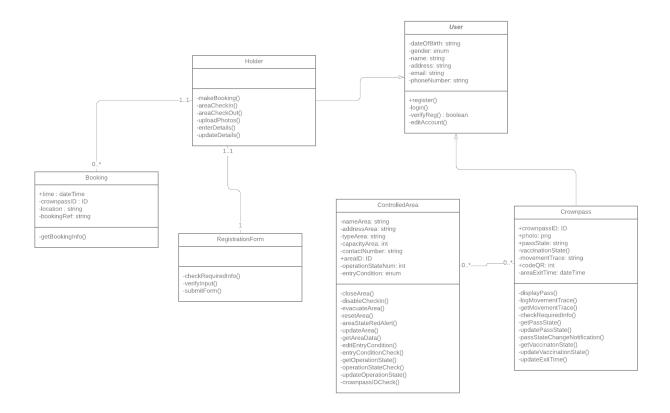
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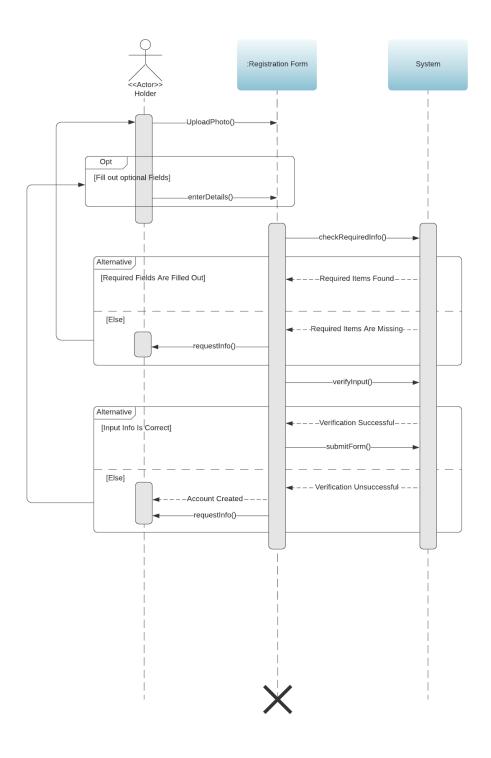
Activity Diagram



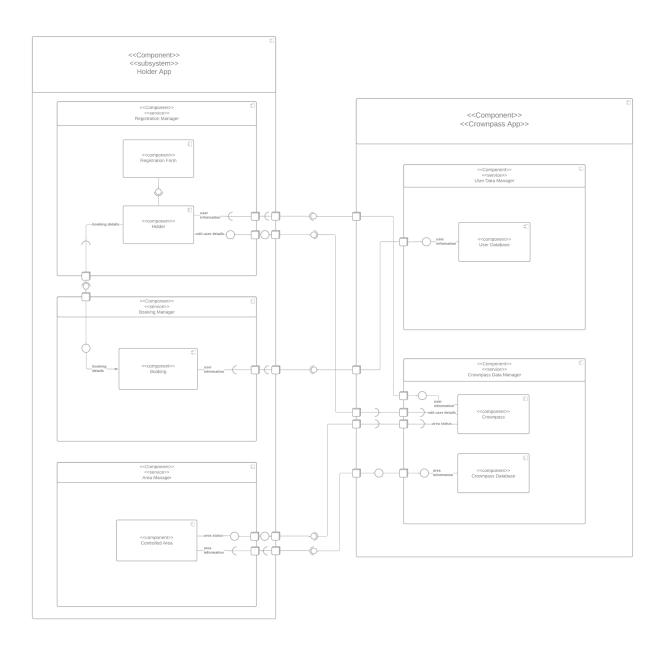
Class Diagram



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	<u>Test Process</u>
Input:	Set up test context:
- Photo: picture of user	- App: Personal details are blank
- Personal details: blank	- Database: -
Stored data:	Upload Photo
On Cloud:	Expected output: "photo found"
- Registered account	Check: if output matches the expected
- User info	Enter details
Output:	Expected output: No output
- Crownpass account	Check: if output matches the expected
- Photo of user	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	<u>Test Process</u>
Input:	Set up test context:
- Photo: picture of user	- App: Personal details are blank and
- Personal details: blank	verification failed
Stored data:	- Database: -
On Cloud:	Upload Photo
- Registered account	Expected output: "photo found"
- User info	Check: if output matches the expected
Output:	Enter details
- Error Message	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:	Set up test context:
- Photo: picture of user	- App: Some personal details present
- Personal details: only some optional	- Database: -
details	Upload Photo
Stored data:	Expected output: "photo found"
On Cloud:	Check: if output matches the expected
- Registered account	Enter details
- User info	Expected output: user details
Output:	Check: if output matches the expected
- Crownpass account	Verify
- Photo of user	Expected output: Form submitted
- Details of user	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:	Set up test context:
- Photo: picture of user	- App: Some personal details present
- Personal details: only some optional	- Database: -
details	Upload Photo
Stored data:	Expected output: "photo found"
On Cloud:	Check: if output matches the expected
- Registered account	Enter details
- User info	Expected output: user details
Output:	Check: if output matches the expected
- Error Message	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:	Set up test context:
- Photo: picture of user	- App: All personal details present
- Personal details: all details present	- Database: -
Stored data:	Upload Photo
On Cloud:	Expected output: "photo found"
- Registered account	Check: if output matches the expected
- User info	Enter details
Output:	Expected output: user details
- Crownpass	Check: if output matches the expected
- Photo of user	Verify
- Details of user	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	<u>Test Process</u>
Input:	Set up test context:
- Photo: picture of user	- App: All personal details present
- Personal details: all details present	- Database: -
Stored data:	Upload Photo
On Cloud:	Expected output: "photo found"
- Registered account	Check: if output matches the expected
- User info	Enter details
Output:	Expected output: user details
- Error Message	Check: if output matches the expected
	Verify
	Expected output: Form not submitted
	Check: If form was rejected

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