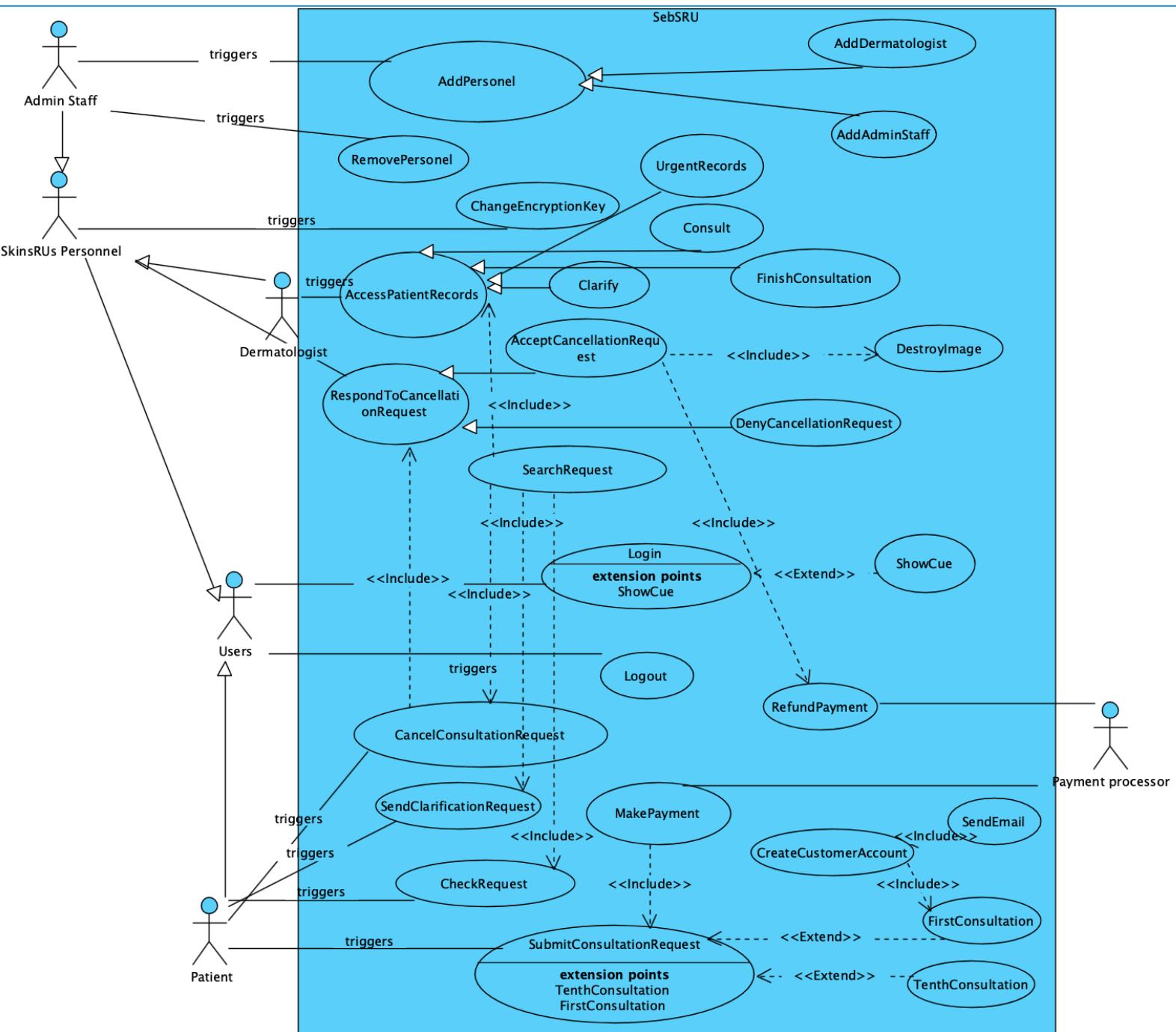


Question 1

Requirement ID: 1	Requirement Type: FR	Event/Use Case #2 (sendConsultationRequest)
Description: The system should be available to send consultation requests		
Rationale: WebSRU is a web app, that lets people with skin problems to get consultation about their skin problems by sending a consultation request that can include pictures and text to a dermatologist.		
Source: WebSRU initial statement of requirements.		
Fit Criteria: A test to create a customer account, a test to create a dermatologist or an admin account, a test to send a consultation request with the created customer account with valid data and then a test to send a consultation request with the created customer account with invalid data.		
Customer Satisfaction: 5	Customer Dissatisfaction: 5	
Priority: Essential	Conflicts: None	
Supporting Material: WebSRU initial statement of requirements.	Volere	
History: A new requirement.	Source: Atlantic Systems Guild	

Requirement ID: 2	Requirement Type: NFR	Event/Use Case N/A
Description: The system shall be secure		
Rationale: WebSRU is a software systems which stores sensitive data about its customers, we keep our pictures encrypted but encryption keys still could be stolen.		
Source: WebSRU initial statement of requirements and relevant regulations on storing sensitive data.		
Fit Criteria: The system is complaint with ISO 27001/ISO27005		
Customer Satisfaction: 4	Customer Dissatisfaction: 3	
Priority: Highly important	Conflicts: None	
Supporting Material: Relevant regulations in the UK.	Volere	
History: A new requirement.	Source: Atlantic Systems Guild	

Question 2

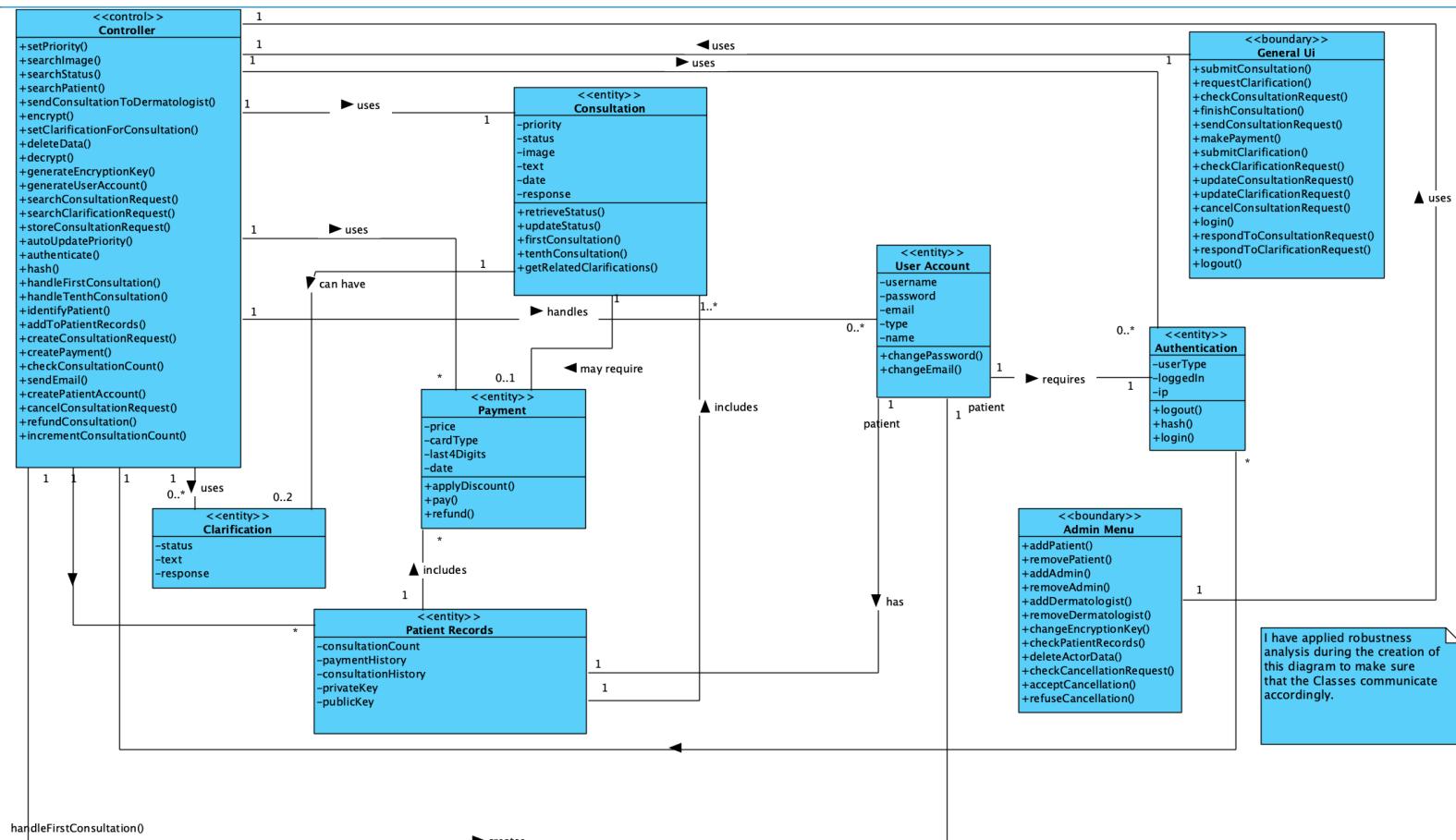


Question 3

Use Case: SubmitConsultationRequest
ID: 97
Description: The patient submits a consultation request that includes text and pictures related to their skin disease to get feedback regarding it from a dermatologist. If it is the first time they are getting consultation a %50 discount should apply and every 10th consultation should be free of charge.
Primary Actors: User
Secondary Actors: Payment Processor
Preconditions: The secondary actor (payment system) should be up. If the primary actor has an account, they should be logged in.
Main Flow: <ul style="list-style-type: none">● Primary actor (Patient) submits a consultation request.● Extension points: FirstConsultation, 10thConsultation.● Primary Actor writes a consultation request with text and pictures related to their skin disease.● Primary actor gets forwarded to a payment processor.● Primary actor makes a payment.● System encrypts the created consultation request and stores it.● System increments the total consultations patient has requested.● System sends the request to a dermatologist and stores the consultation request.
Postconditions: Primary actor starts waiting for a response.
Alternative Flows: <ul style="list-style-type: none">● Primary actor is not logged in & does not have an account.● Primary actor send a consultation request.● The system creates a new customer account and makes a %50 discount.● Everything goes on from the 3rd step of the main flow. ● This is the tenth consultation request of the primary actor.● The actor writes the consultation request and submits it.● Everything goes on from the 6th step of the main flow.

Question 4

a) && b.3)



b.1)

NOUN VERB ANALYSIS

"The dermatologists should be able to login securely and access patient records with outstanding consultation/clarification requests. The system will automatically decrypt the images a dermatologist is trying to access (using the current encryption key)".

Noun	Verb
The dermatologists	should be able to login securely and access patient records with outstanding consultation/clarification requests.
the system	will automatically decrypt the images
a dermatologist	is trying to access (using the current encryption key)

"**The dermatologists** should be able to **login** securely and **access** **patient records** with **outstanding consultation/clarification requests**. The **system** will automatically **decrypt** the **images** a **dermatologist** is trying to **access** (using the current **encryption key**)".

Nouns: System, Dermatologists, Patient Records, Consultation/Clarification requests, Images, Encryption key.

System (Class, Attribute, Neither?) - Neither

Dermatologist (Class, Attribute, Neither?) - Class

Patient Records (Class, Attribute, Neither?) - Class

Consultation/Clarification Requests (Class, Attribute, Neither?) - Class

Images (Class, Attribute, Neither?) - Attribute

Encryption Key (Class, Attribute, Neither?) - Attribute

Verbs: Login, Access, Decrypt.

b.2)

User Account	
<ul style="list-style-type: none">• create account• delete account• change password• change email• login• logout• have patient records• have a type• authenticate• limit the access to admin menu• limit the access to patient records• limit the access to consultations	<ul style="list-style-type: none">• Controller• Patient Records• Authentication
Consultation	
<ul style="list-style-type: none">• finish consultation• request clarification• check consultation request• send consultation request• retrieve status• update status• update consultation request• cancel consultation• handle first consultation• handle tenth consultation	<ul style="list-style-type: none">• Controller• Clarification• Payment• Patient Records
Payment	
<ul style="list-style-type: none">• pay• save payment data	<ul style="list-style-type: none">• Consultation• Patient Records• Controller

Question 5

