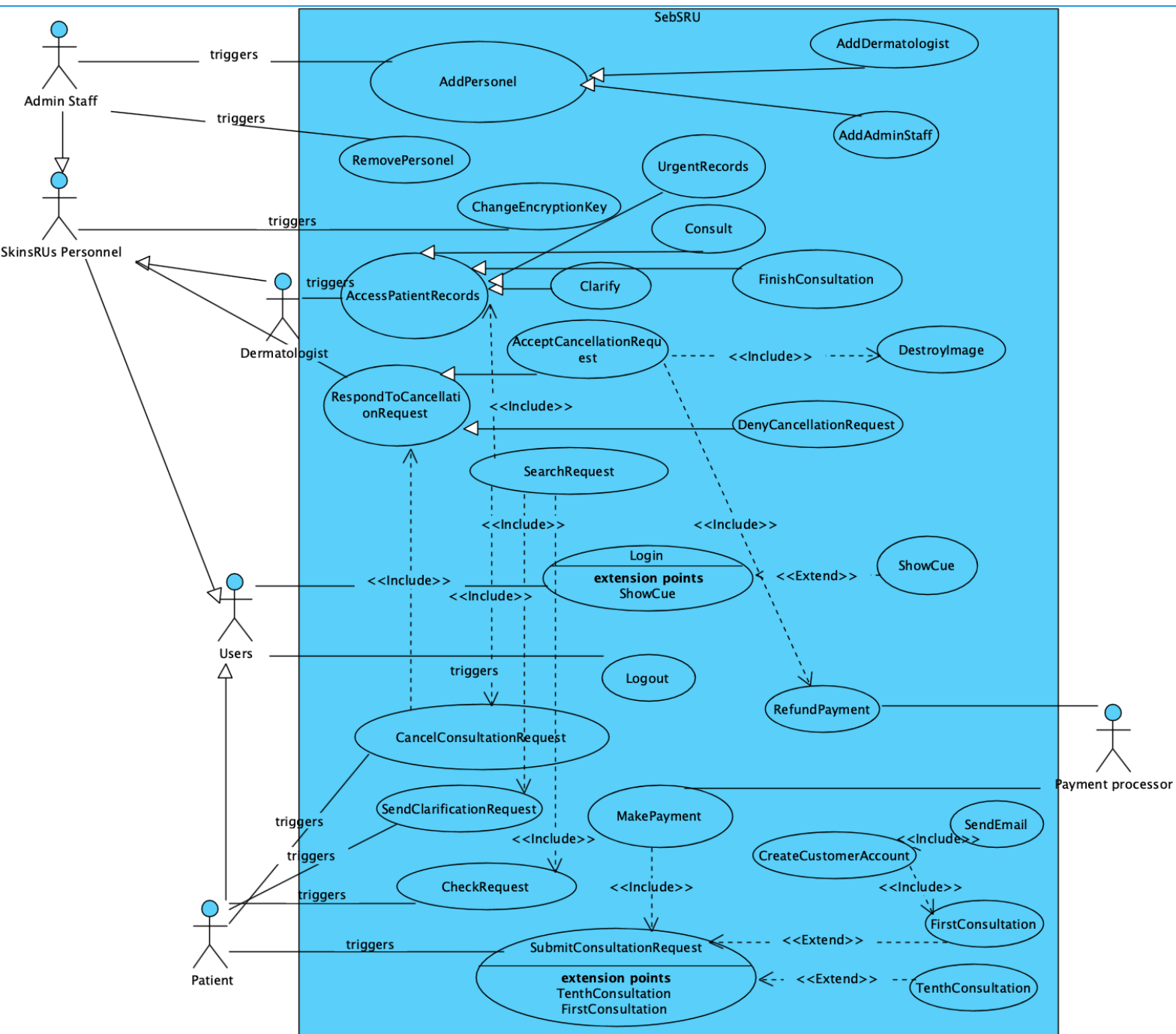


Question 1

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.	<div>Volere</div> <div>Source: Atlantic Systems Guild</div>	
History: A new requirement.		

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.	<div>Volere</div> <div>Source: Atlantic Systems Guild</div>	
History: A new requirement.		

## Question 2



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.
<p>Main Flow:</p> <ul style="list-style-type: none"> <li>• Primary actor (Patient) submits a consultation request.</li> <li>• Extension points: FirstConsultation, 10thConsultation.</li> <li>• Primary Actor writes a consultation request with text and pictures related to their skin disease.</li> <li>• Primary actor gets forwarded to a payment processor.</li> <li>• Primary actor makes a payment.</li> <li>• System encrypts the created consultation request and stores it.</li> <li>• System increments the total consultations patient has requested.</li> <li>• System sends the request to a dermatologist and stores the consultation request.</li> </ul>
Postconditions: Primary actor starts waiting for a response.
<p>Alternative Flows:</p> <ul style="list-style-type: none"> <li>• Primary actor is not logged in &amp; does not have an account.</li> <li>• Primary actor send a consultation request.</li> <li>• The system creates a new customer account and makes a %50 discount.</li> <li>• Everything goes on from the 3rd step of the main flow.</li> <li>• This is the tenth consultation request of the primary actor.</li> <li>• The actor writes the consultation request and submits it.</li> <li>• Everything goes on from the 6th step of the main flow.</li> </ul>

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**)”.

**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"><li>• create account</li><li>• delete account</li><li>• change password</li><li>• change email</li><li>• login</li><li>• logout</li><li>• have patient records</li><li>• have a type</li><li>• authenticate</li><li>• limit the access to admin menu</li><li>• limit the access to patient records</li><li>• limit the access to consultations</li></ul>	<ul style="list-style-type: none"><li>• Controller</li><li>• Patient Records</li><li>• Authentication</li></ul>

Consultation	
<ul style="list-style-type: none"><li>• finish consultation</li><li>• request clarification</li><li>• check consultation request</li><li>• send consultation request</li><li>• retrieve status</li><li>• update status</li><li>• update consultation request</li><li>• cancel consultation</li><li>• handle first consultation</li><li>• handle tenth consultation</li></ul>	<ul style="list-style-type: none"><li>• Controller</li><li>• Clarification</li><li>• Payment</li><li>• Patient Records</li></ul>

Payment	
<ul style="list-style-type: none"><li>• pay</li><li>• save payment data</li></ul>	<ul style="list-style-type: none"><li>• Consultation</li><li>• Patient Records</li><li>• Controller</li></ul>

## Question 5

sd sequence\_diagram

