



İZMİR UNIVERSITY OF ECONOMICS

Department of Software Engineering

**SE 321/SE 305 - Software Specification and Design
FALL 2023**

Mid-Progress Report

Project Section and Number: 2-5

Project Name: Point of View

Date: 21.11.2023

1. Project Members and Student IDs

1. Aykan Berk AYVAZOĞLU – sensitive information
2. Ejder AYSUN - sensitive information
3. Emir Nevas ELÇİ - sensitive information
4. Murat VERMEZ - sensitive information
5. Onur ÖLMEZ - sensitive information
6. Şükrü Kaan TETİK - sensitive information

3. Project Proposal

CLIENT

Any person who is looking for help wherever they're stuck in life, and people who want to help them out. This project is designated as a service to the public, therefore, the clients of this project are the end users in a direct manner.

SUBJECT

“If ones who went the way and ones who are about to go sat down for a conversation, the amount of purposeless roads traveled would be halved”

Point of View is an application to connect people struggling with different psychological/daily life matters with people who have experience with them, sharing valuable advice, motivation and ways of living through said matters of life. It's designed as a way of sharing experience with others, as a response to the ever increasing social isolation of today, preventing experience from flowing between people and sometimes making them subject to the same hurdles of life that could have been avoided otherwise.

EXAMPLE

A 20-year-old who realizes, in the sophomore year, that he doesn't enjoy this department he's studying anymore, and is looking for advice for this matter. A 45-year-old person who has been through this situation in his time and managed to pull through contacts through this application, and helps him with his own experience. The older person advises the young one on the process, and provides important knowledge on what may happen if he switches departments - something that person wouldn't be able to learn without stepping in blindly and facing the consequences. With this knowledge, the 20-year-old now knows what lies ahead, and makes his decision in a much more educated manner instead.

3. Client Information

Client Name: sensitive information

Company: Turkish Ministry of Family and Social Policies

4. Client Meeting Photo

(It was decided to remove the photo due to personal rights.)

5. System Requirements

5.1. Functional Requirements:

1. To create an account, users must enter their personal information (name, age, gender, ID number) and username. Users' personal information will be stored anonymously.
2. Users should be able to create posts with message/attachment contents to the system.
3. When a user wants to create a post, the system should provide a template by category. This template should include category-specific fields as well as a date element, a check box indicating the urgency of the situation, and a title/description field.
4. The system should be able to store user information and moderator information (login, profile etc.) in AWS DB.
5. The system should be able to display posts divided by category.
6. The system must allow moderators to moderate posts (view, lock, delete) and users (mute, kick, warn). Professional volunteers select those who will be banned among those who are kicked.
7. Moderators should be able to mark posts in order of risk (the likelihood of a post turning into an incident) and refer them to professional volunteers.
8. Professional volunteers should be able to provide professional intervention for users in the system.
9. The system should have a section where moderators and professional volunteers can upload their certificates and fill in their personal skills. Users should be able to see the information of the moderators and professional volunteers who helped them. Moderators should not be able to see any user's information. If a moderator refers a user to a professional volunteer, the professional volunteer should be able to see the user's information.
10. Users should be able to comment on moderators who help them.
11. Professionals should review moderators' prompts, category checks, and moderator evaluation comments written by users to create an accuracy score about moderators.

12. The category control system and the moderator must ensure that each question is opened in the correct category.

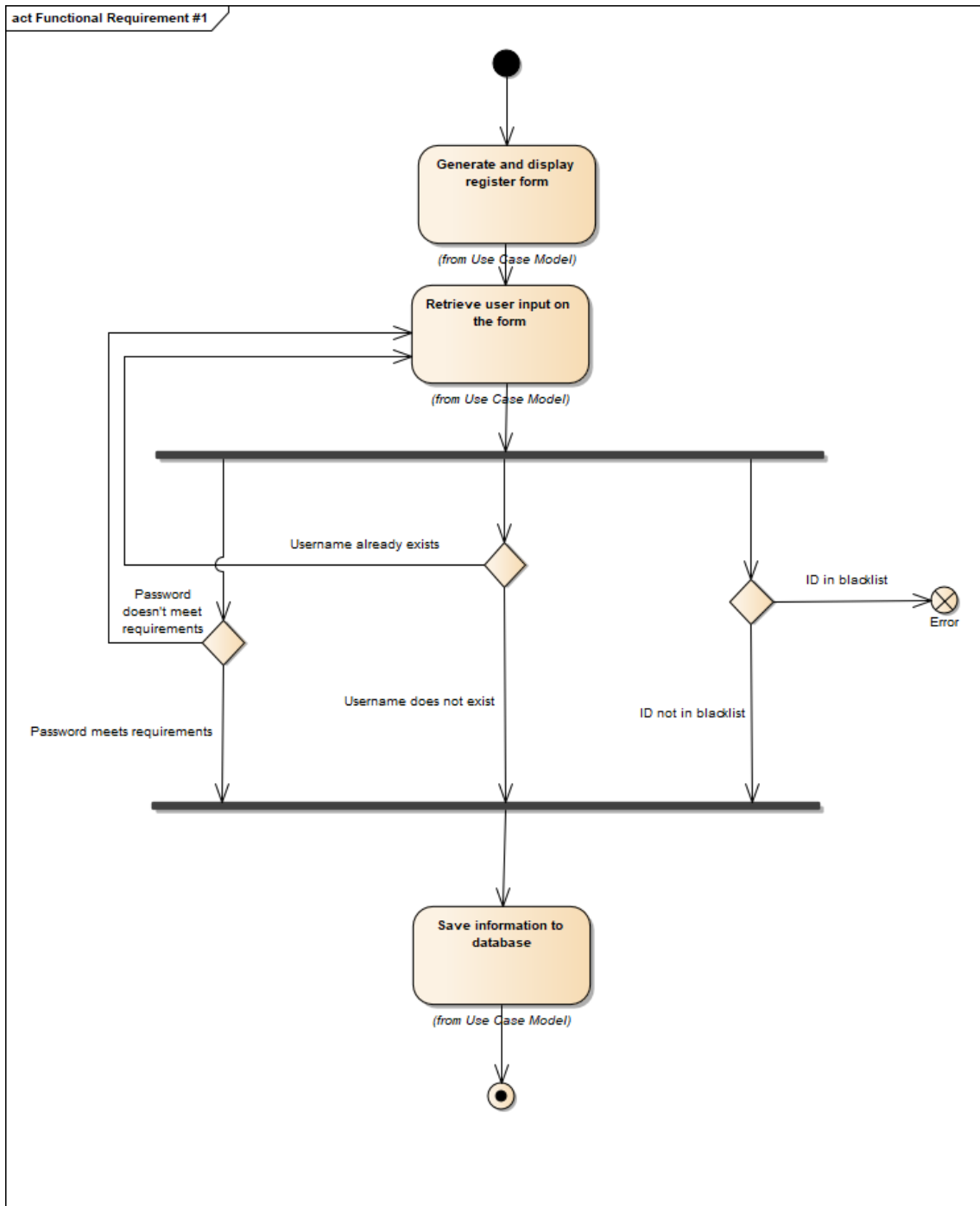
5.2. Non-Functional Requirements:

1. The system should support light and dark themes.
2. The system should (initially) support Turkish and English languages.
3. The system should use MySQL Community 8.2.0 as its database solution.
4. Posting to the forum should take less than 5 seconds, from pressing “Send” to redirection to the page of the created post.
5. The system should conform to legal age restrictions. Users below the age of 18 should be required to provide parental consent or be unable to access sensitive topics altogether.

6. UML Diagrams

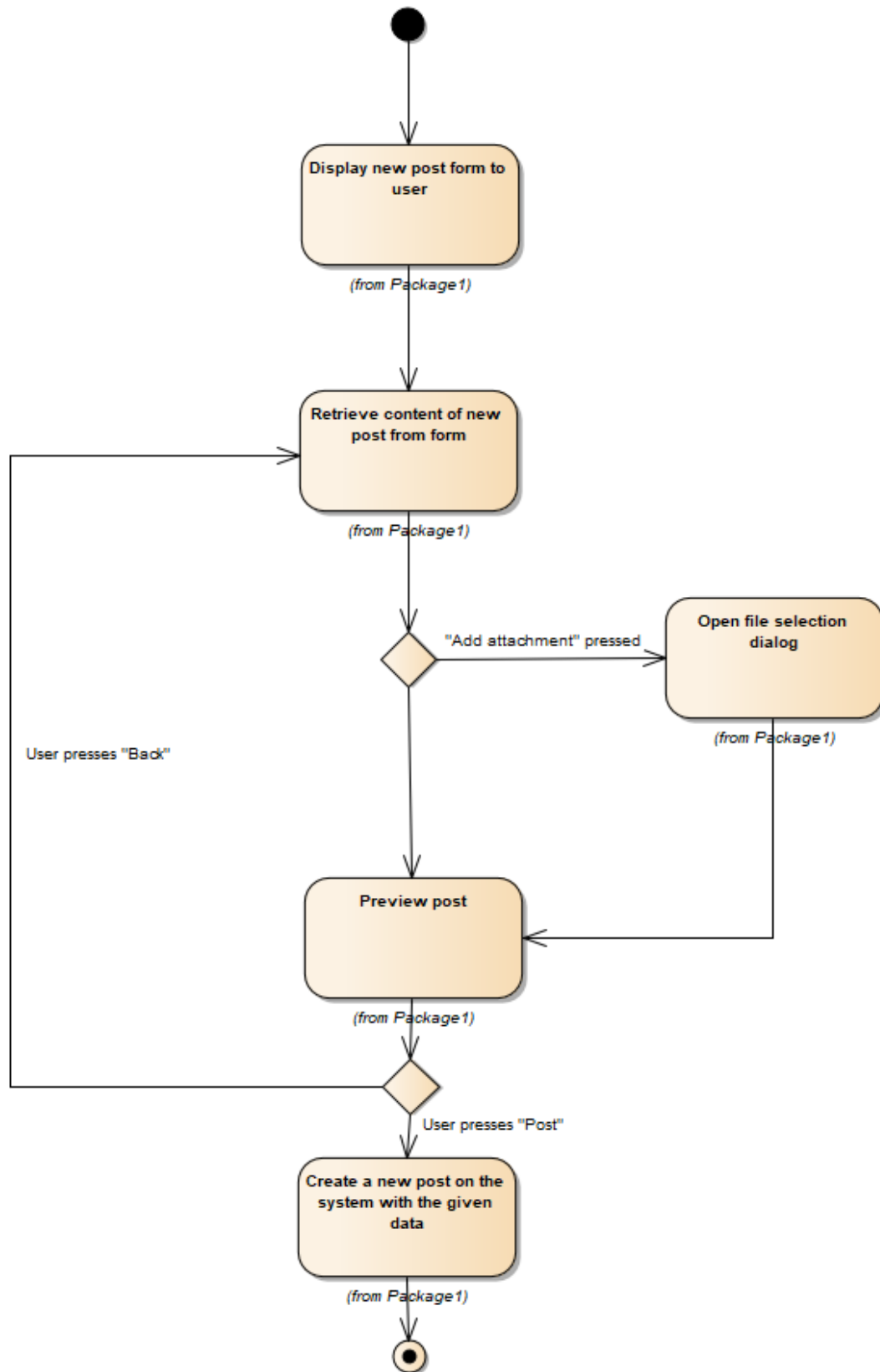
Functional Requirements:

1:



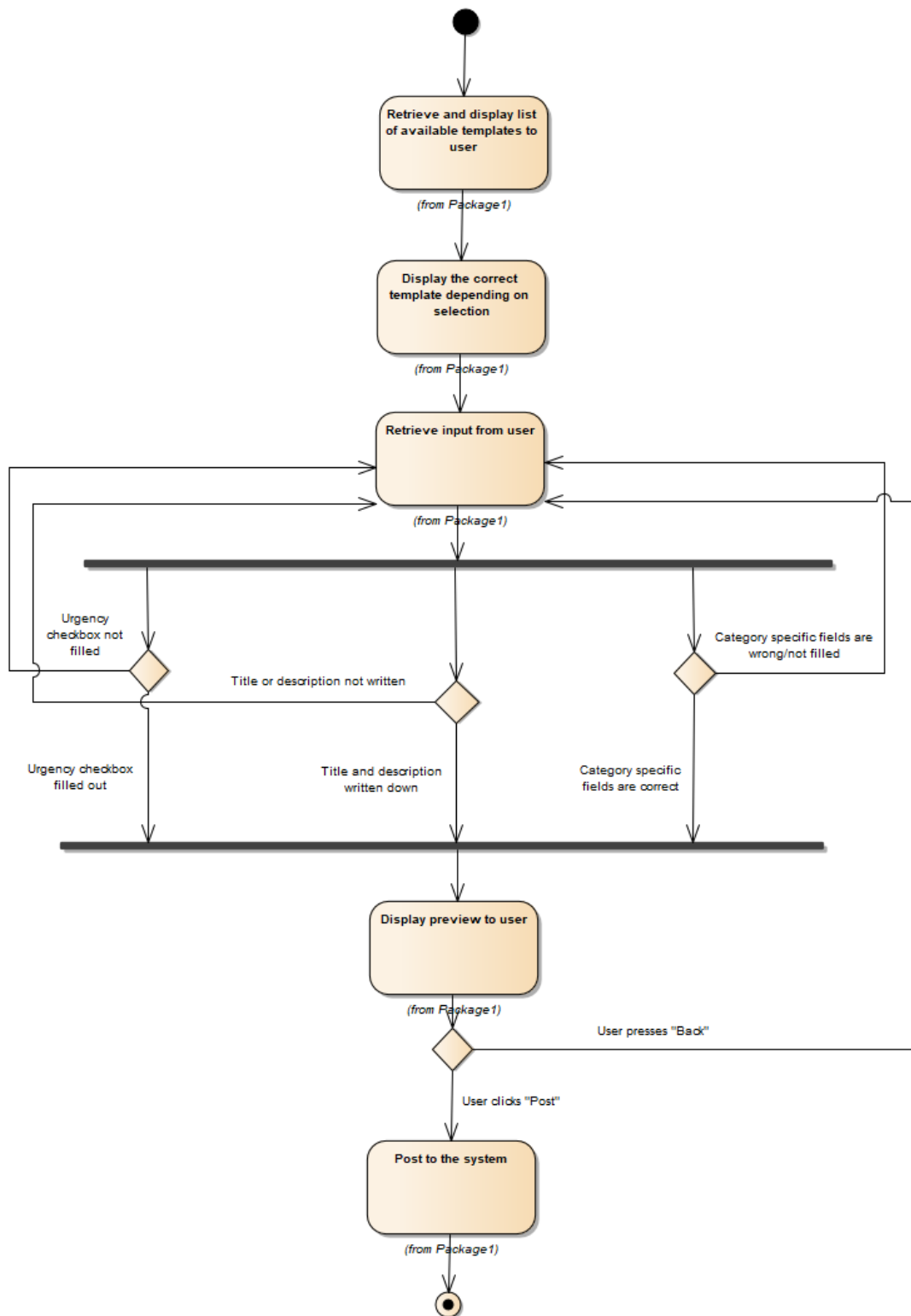
2:

act Functional Requirement #2

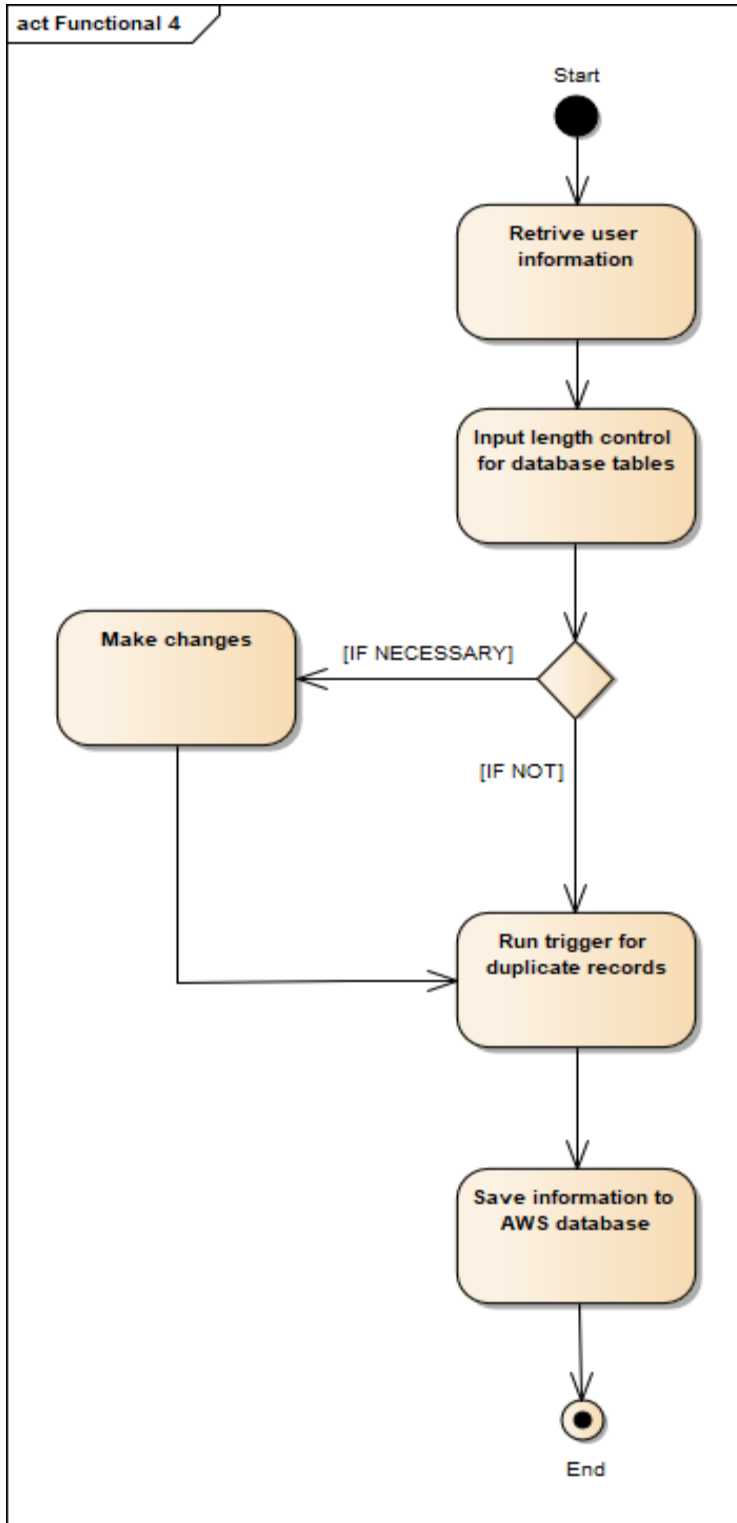


3:

act Functional Requirement #3

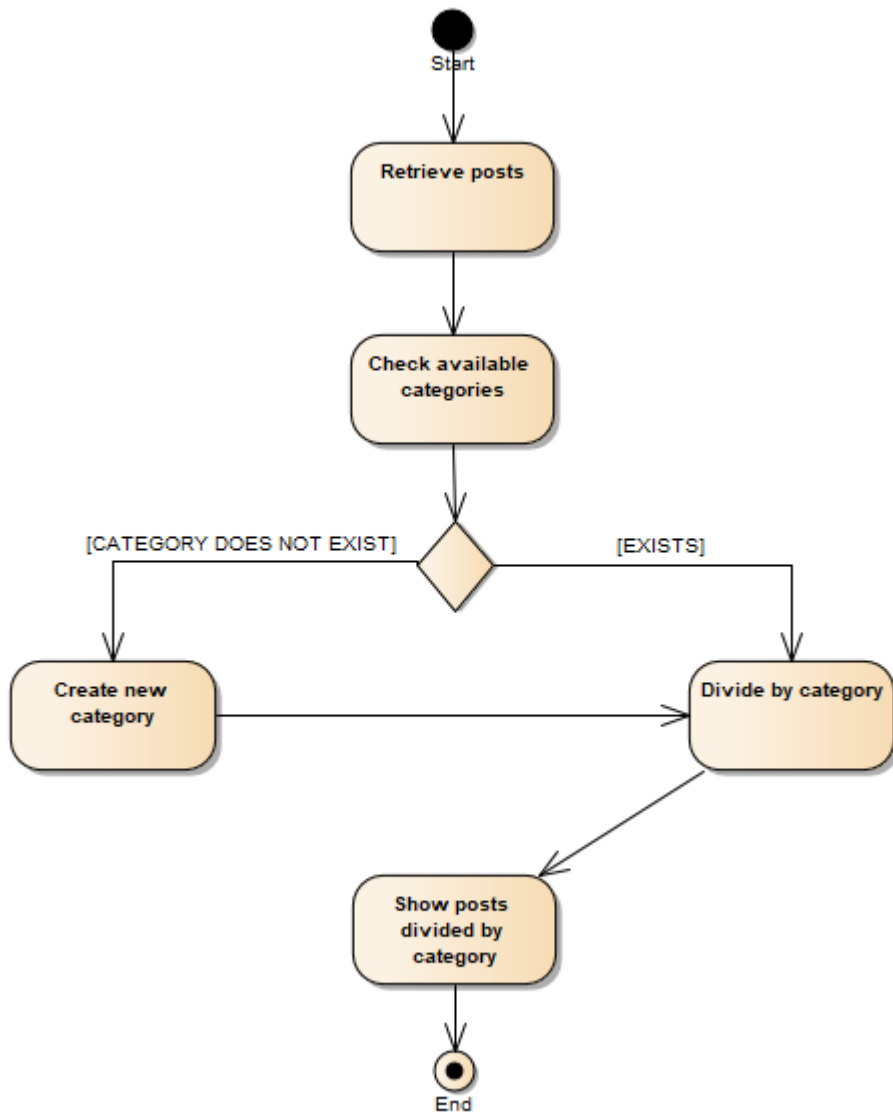


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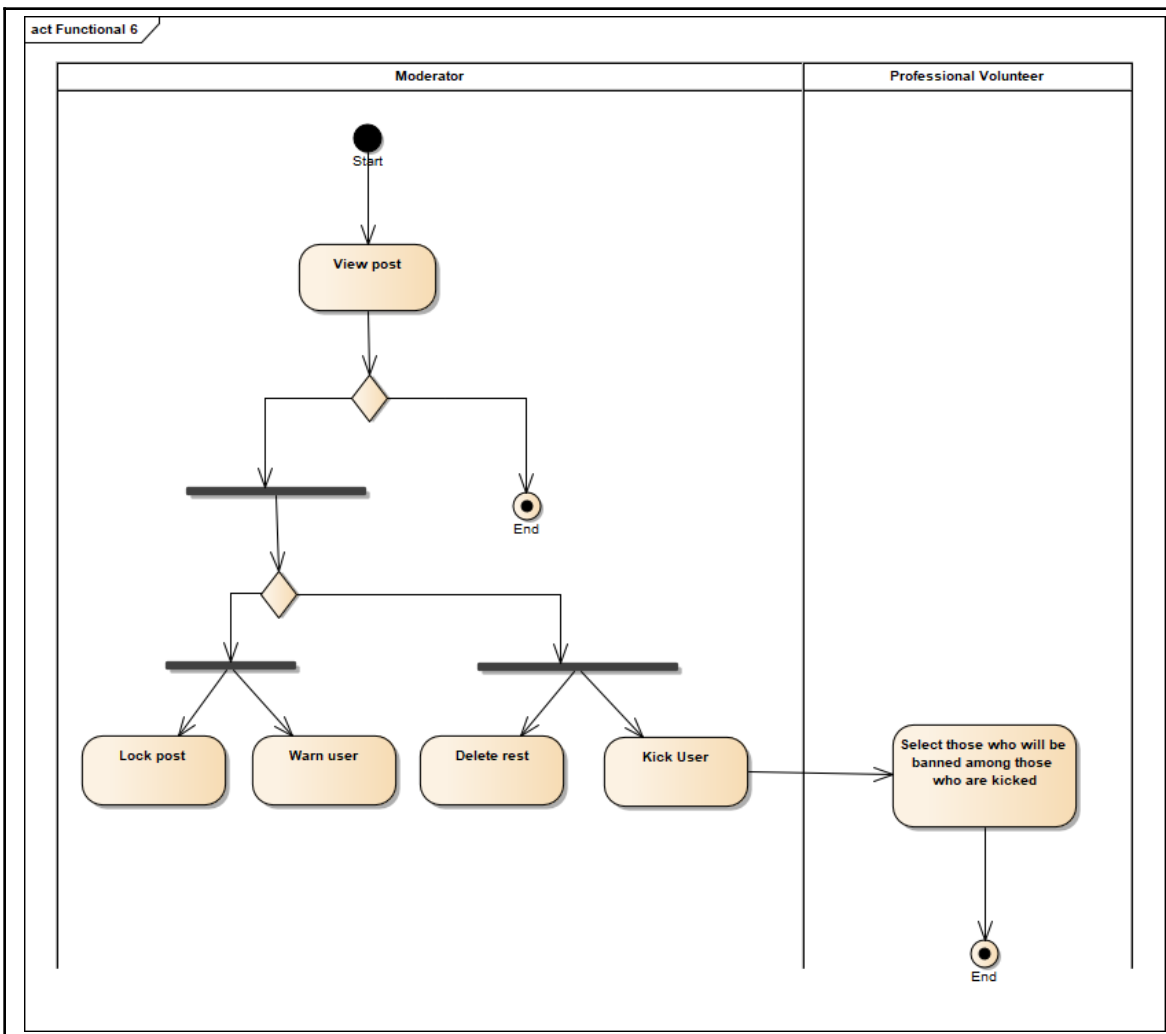


5:

act Functional 5

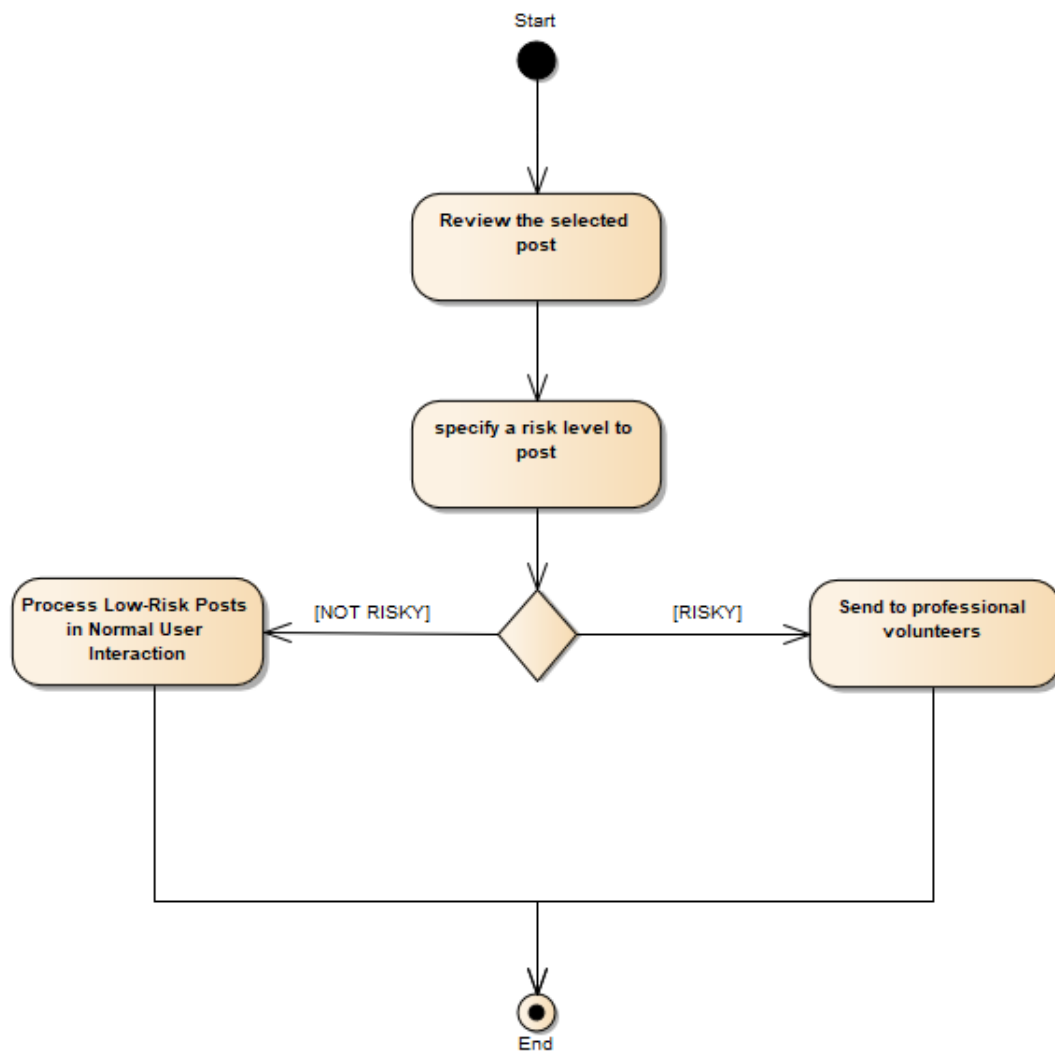


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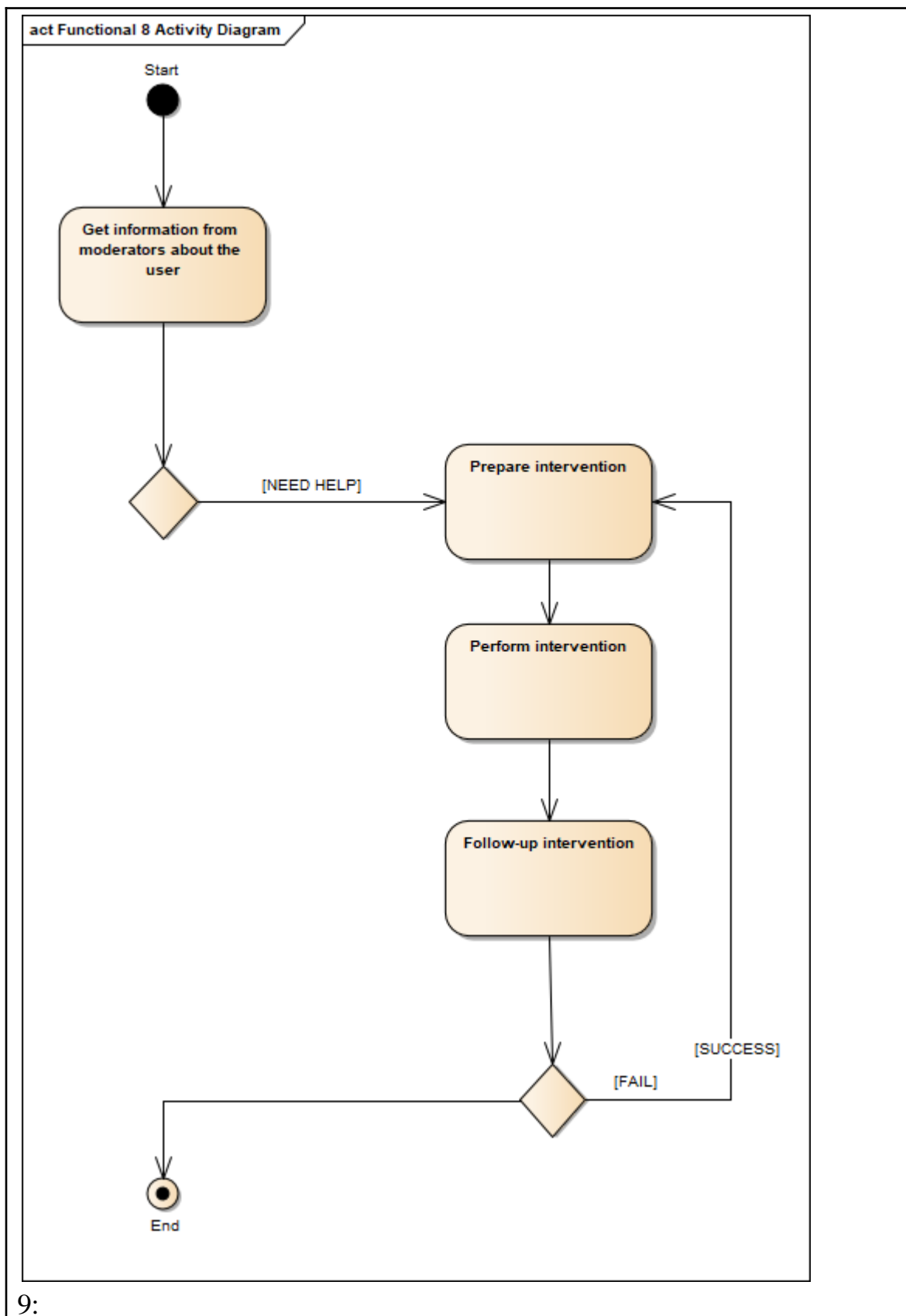


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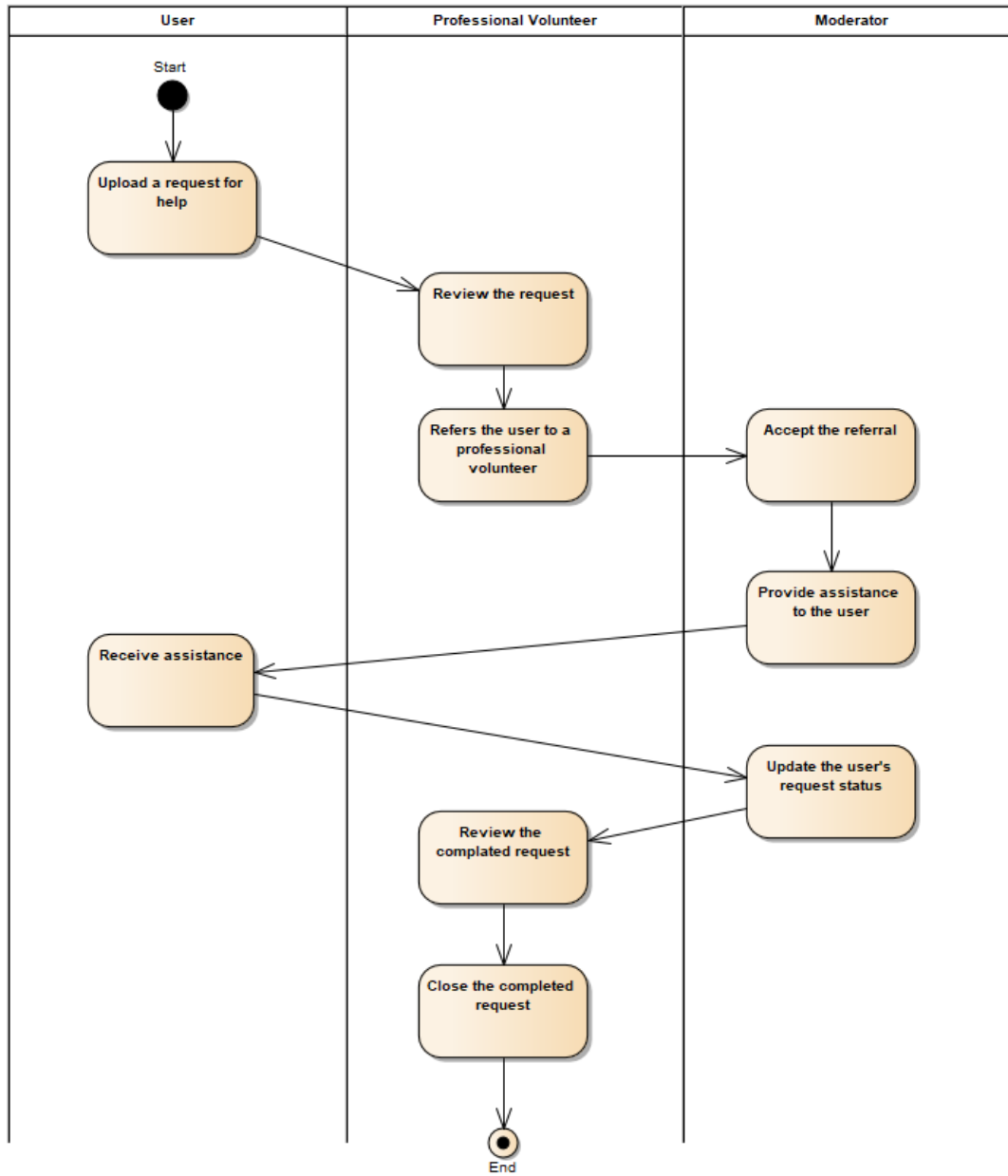
act Functional 7 Activity Diagram



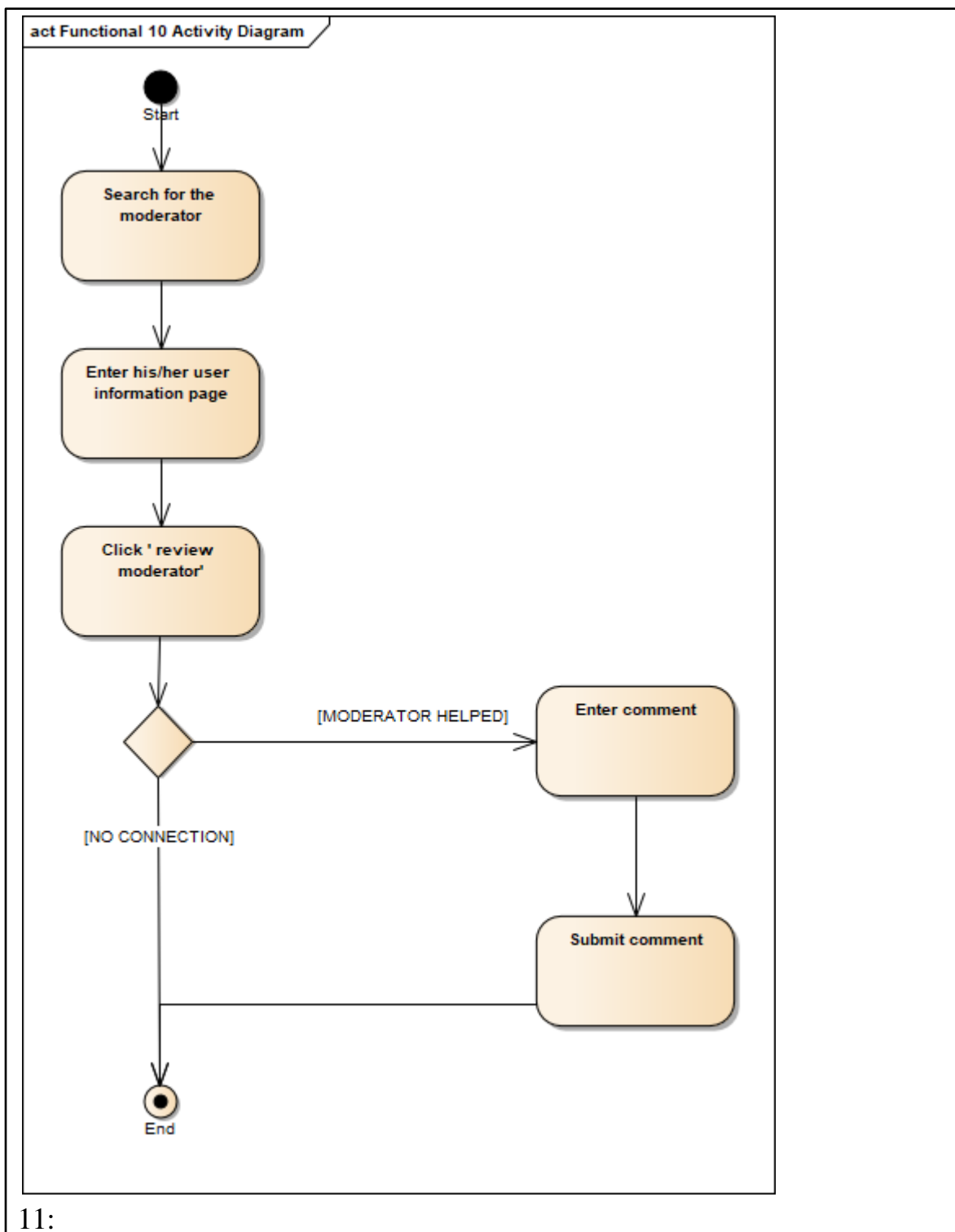
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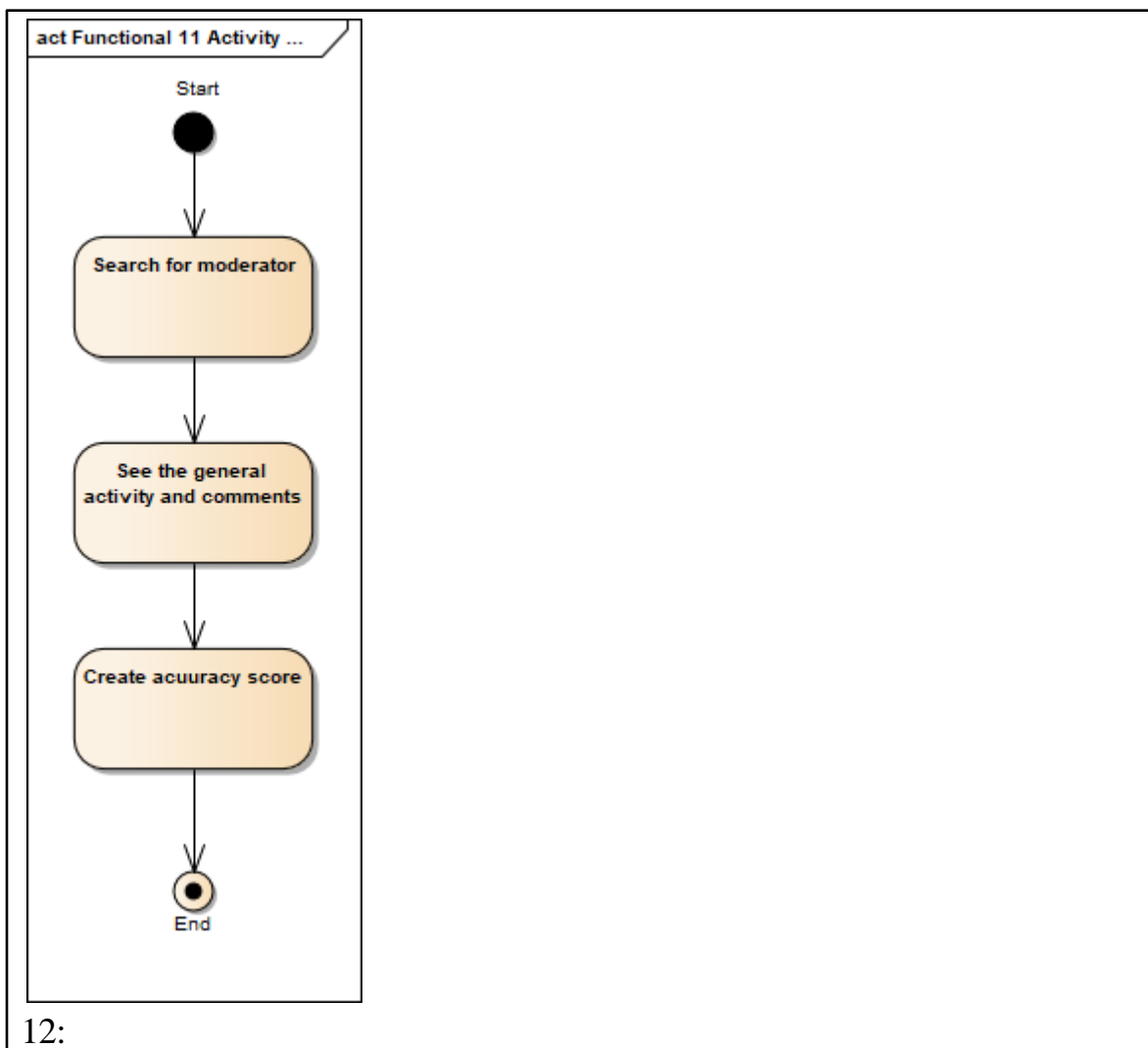
act Functional 9 Action Diagram

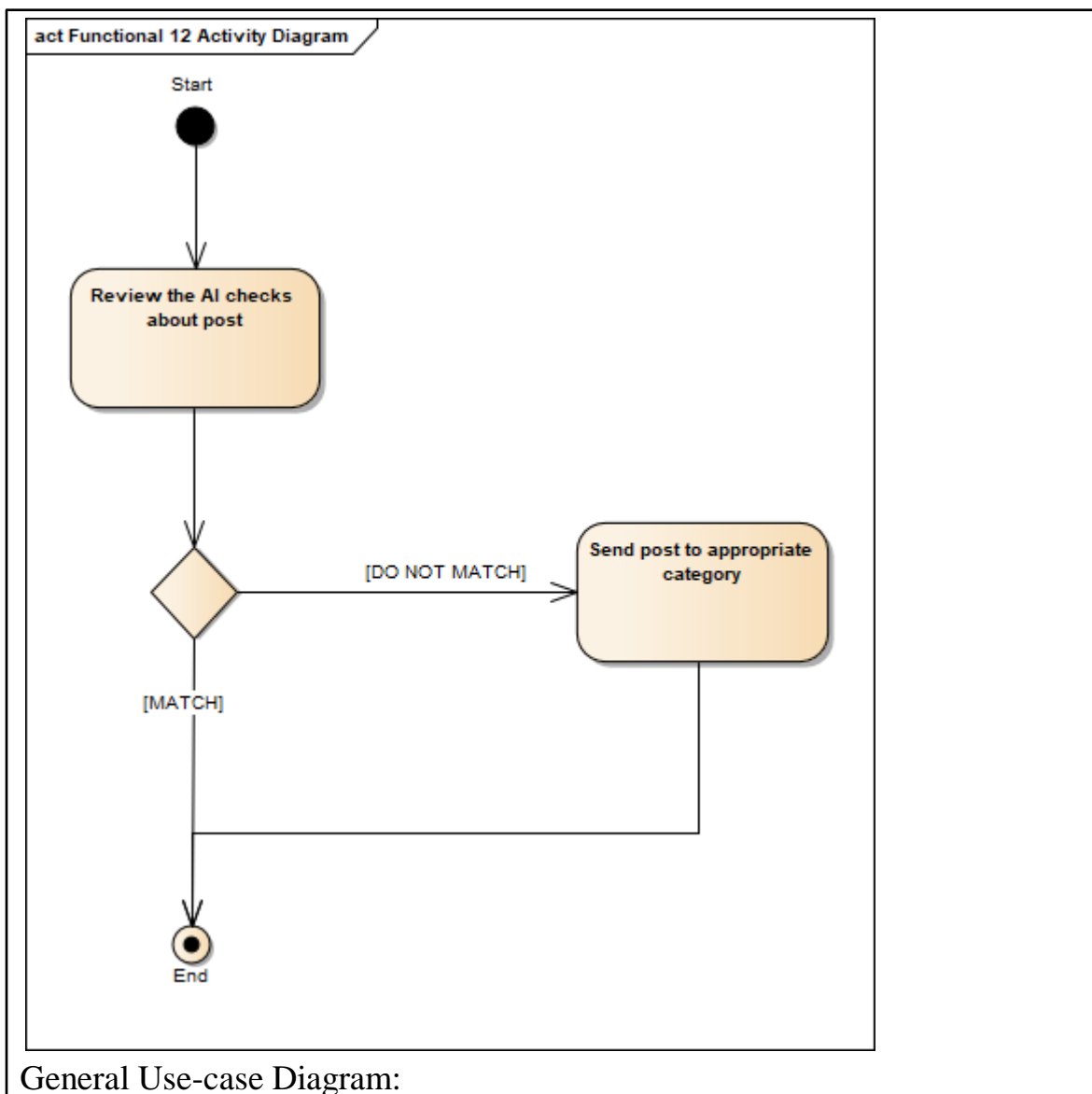


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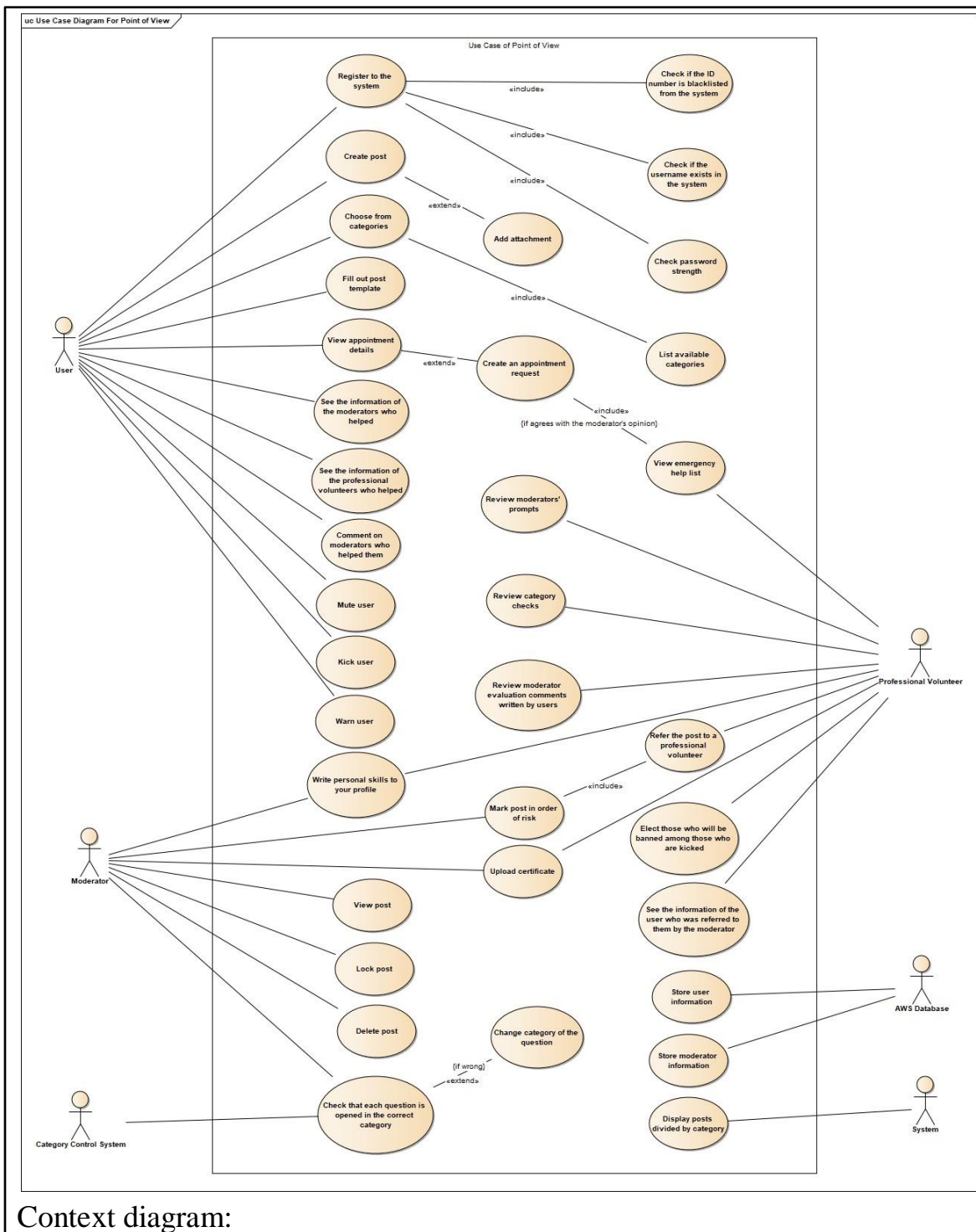


11:

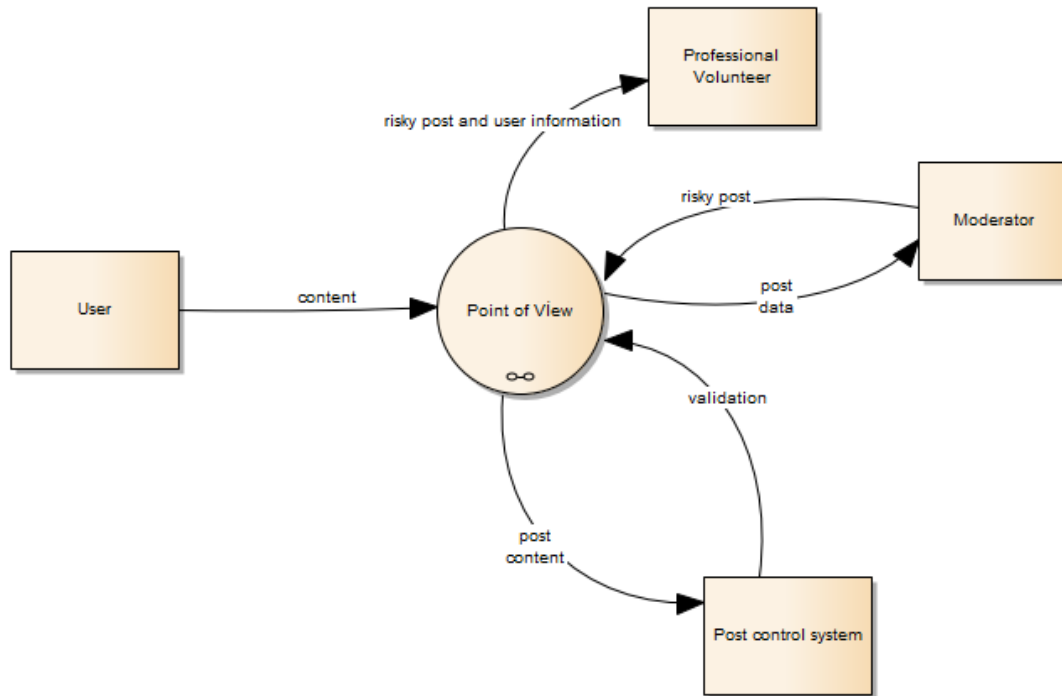




General Use-case Diagram:

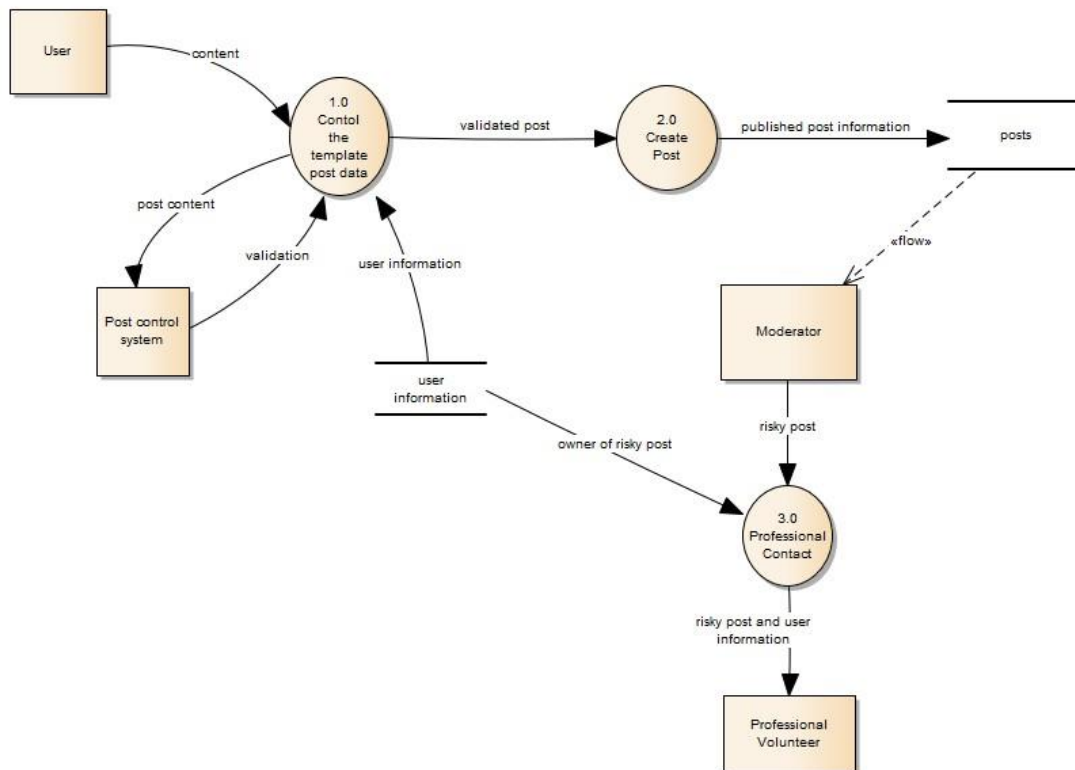


dfd Context Diagram



DFD Level 0-1:

dfd DFD Level 0



7. Current Status

We are in the middle stage. We are completing what we have learned from the course step by step, not only on the given dates but also by studying the files every week. We discuss our shortcomings with the customer as much as possible. When we have difficulties, we send an e-mail to our mentor (Serhat Uzunbayır).