

# **System planning**

for

# **Moje javno mnenje**

**Version 1.0 approved**

**Prepared by**

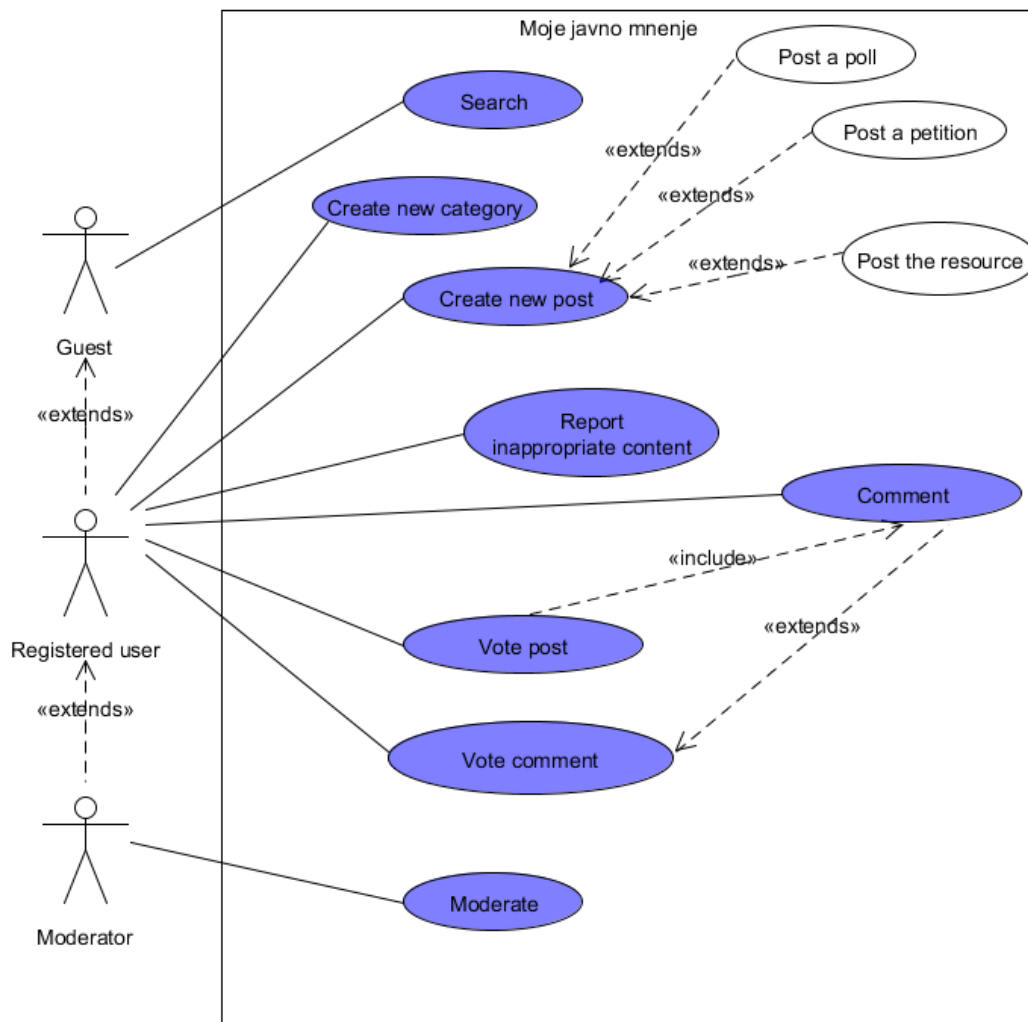
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**Računalništvo in informatika FAMNIT**

**1/10/2013**

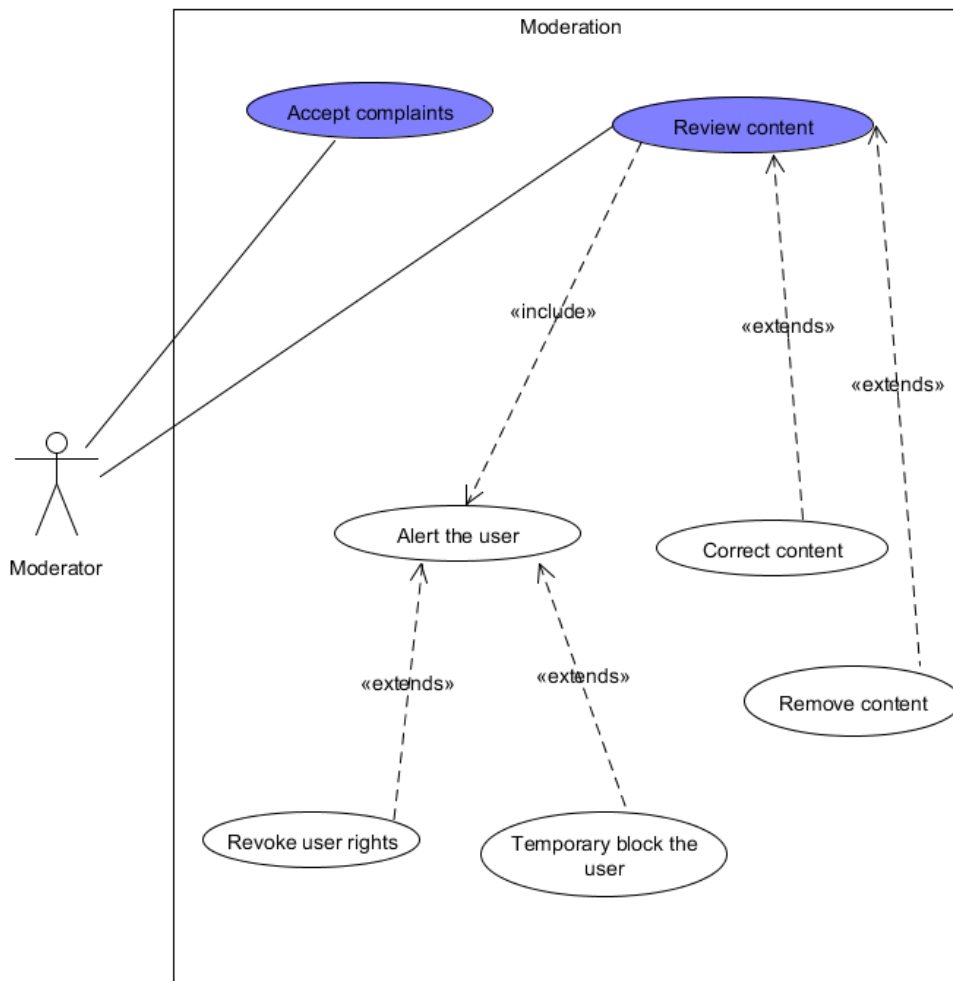
USE CASE: THE WHOLE SYSTEM

From the following use case diagram we can see that the system allows three types of users: guests, registered users and moderators. Each role gains additional access to the system. Guest is allowed only to search the content on the site. Registered users gain the possibility to create new categories, posts, polls, petitions, post resources, comments, vote post and comments and are able to report inappropriate content. Moderators inherit all this functionality plus are able to moderate the community.



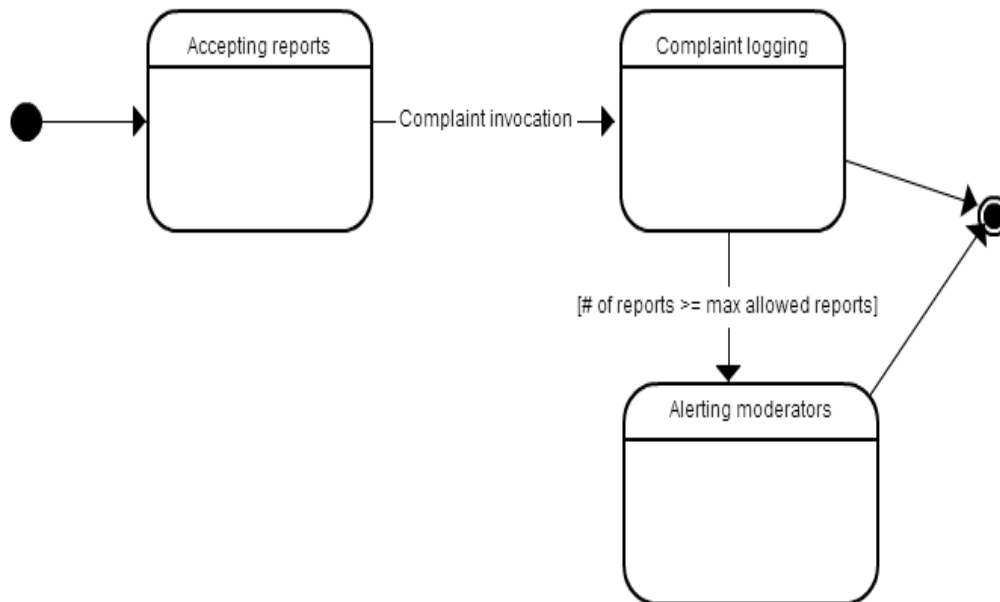
USE CASE: COMPLAINT SYSTEM

Moderators are the solely responsible for moderating the community by means of responding on complaints made by other users about inappropriate content. They are mostly concerned with reviewing the flagged content, which means that are allowed to supplemented, correct or even entirely delete it.



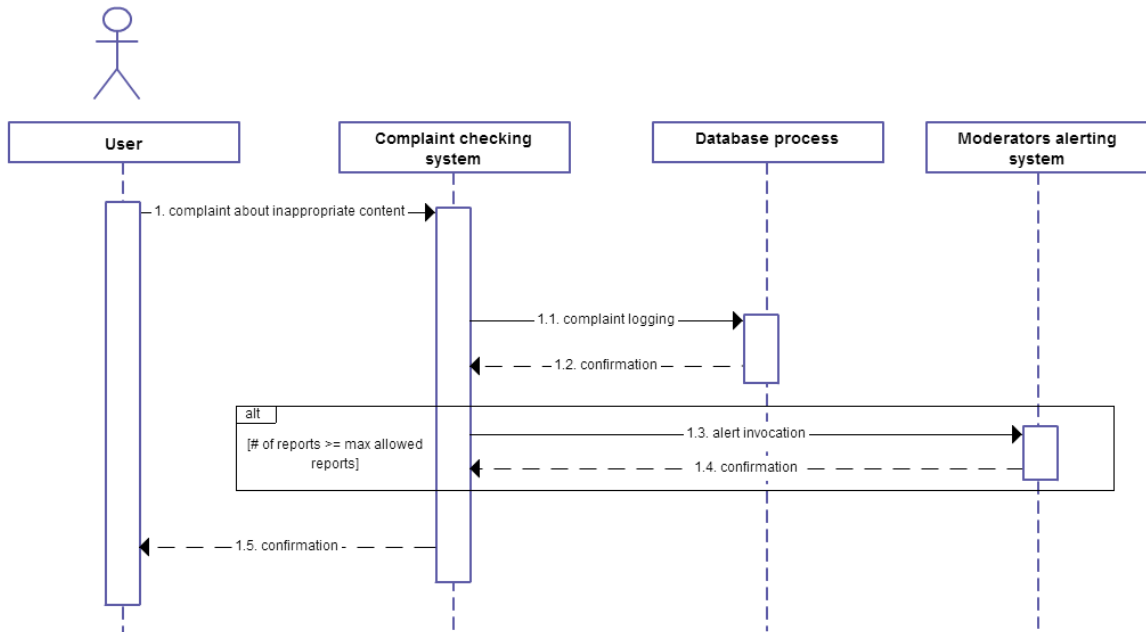
STATE DIAGRAM: COMPLAINT SYSTEM

The state diagram represents states of the moderating subsystem and their transitions that occur on specific action. At the beginning the system is in accepting state and on a received complaint transitions in the complaint logging state which is concerned with the logging of the received complaint. The logging state is also the final state but if a the current number of complaints about a specific content is greater or equal then a specified threshold it transitions in the alerting/final state which represent the state that alerts the moderators about the complaint.



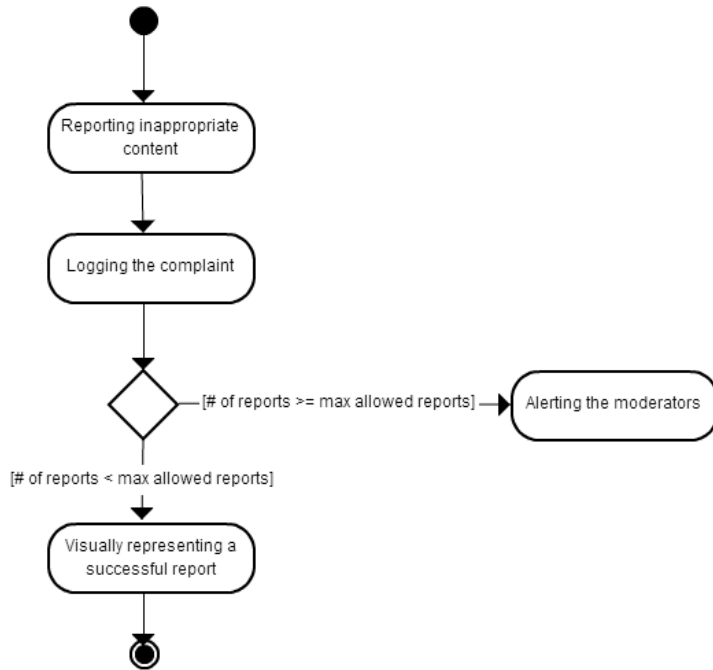
SEQUENCE DAIGRAM: COMPLAINT SYSTEM

The sequence diagram shows the order of actions that occur when a complaint is issued. The user issue a complaint to the Complaint checking system which in turns logs it and based on the fact of how many complaints were already issued about the same type of problem, it alerts the moderators or not and finally it let the user know about the received complaint.



ACTIVITY DAIGRAM: COMPLAINT SYSTEM

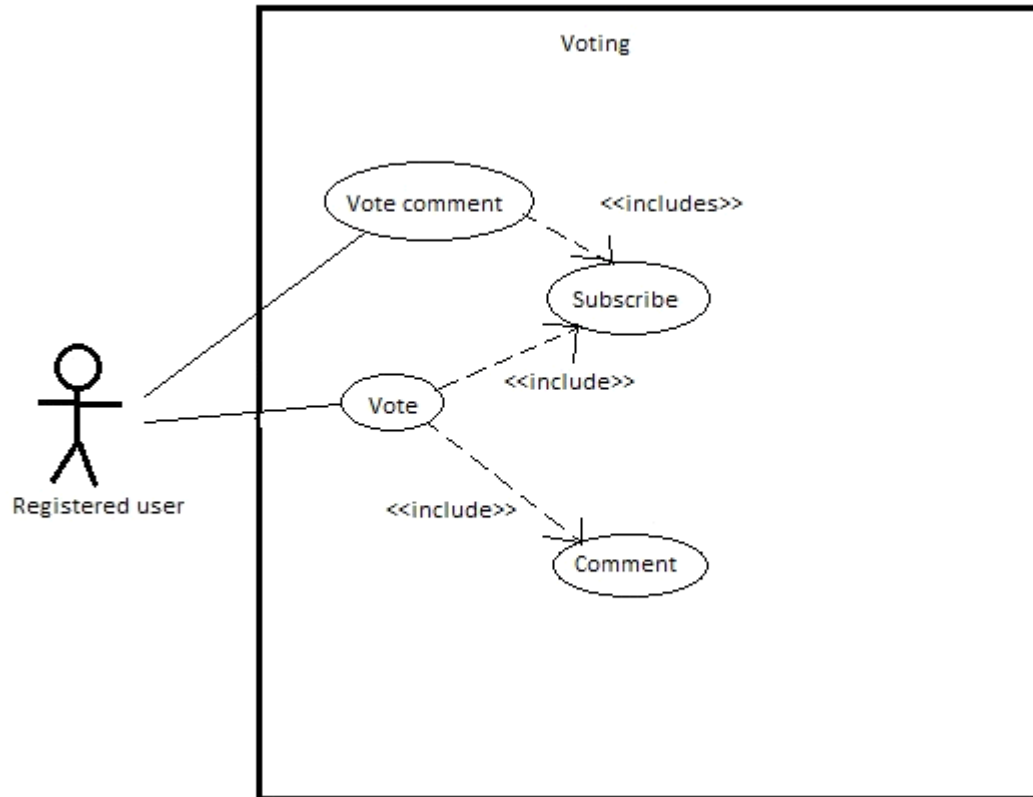
Activity diagram that shows all the steps about the complaint receiving system.



USE CASE: VOTING SYSTEM

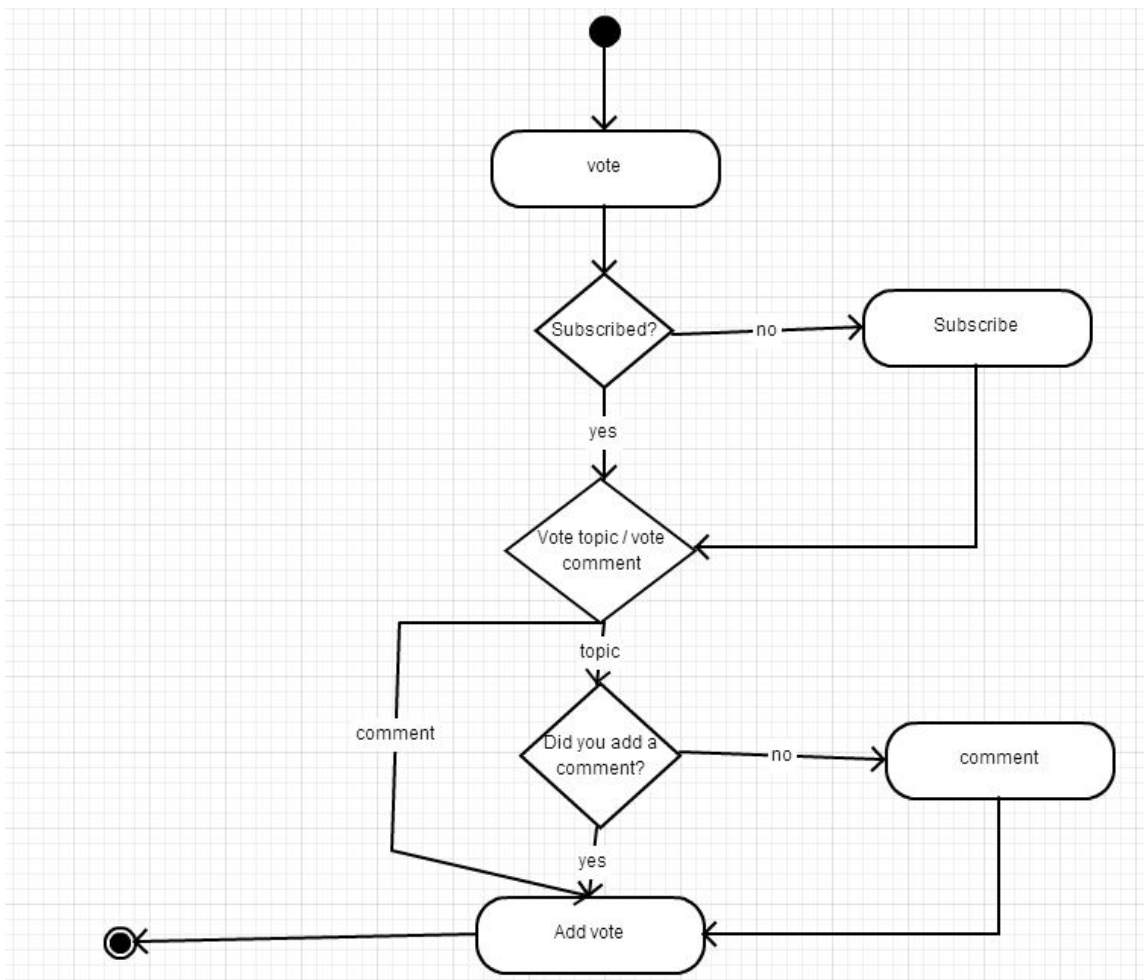
Users can vote by logging in their accounts and subscribing to a certain subforum. In order to vote an original topic or discussion, each user has to post a comment. Voting comments can be done without further commenting on the matter, but the vote as a whole weighs less than voting the original post.

In the following use case diagram we can see that only registered users can do so.



ACTIVITY DIAGRAM: VOTING SYSTEM

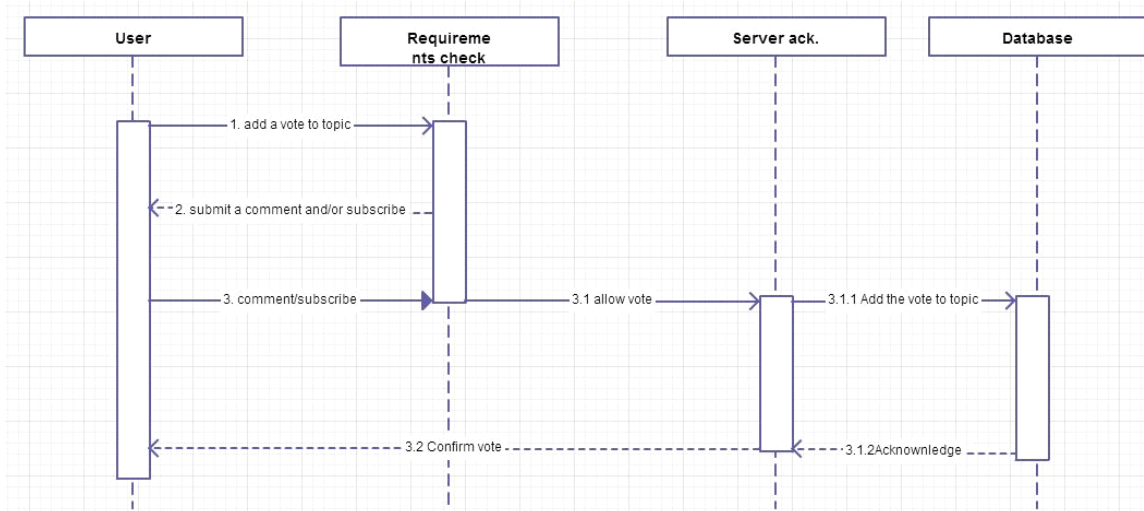
The next (activity diagram) shows the phases which the voting system goes through in order for a vote to be submitted. First of all, the system checks if we are subscribed to a specific subforum, of which the discussion we are trying to vote. If we are not subscribed, the system alerts us and gives us an option do to so. If we are voting the original post, then we are required to post a comment first, if we haven't done so yet.





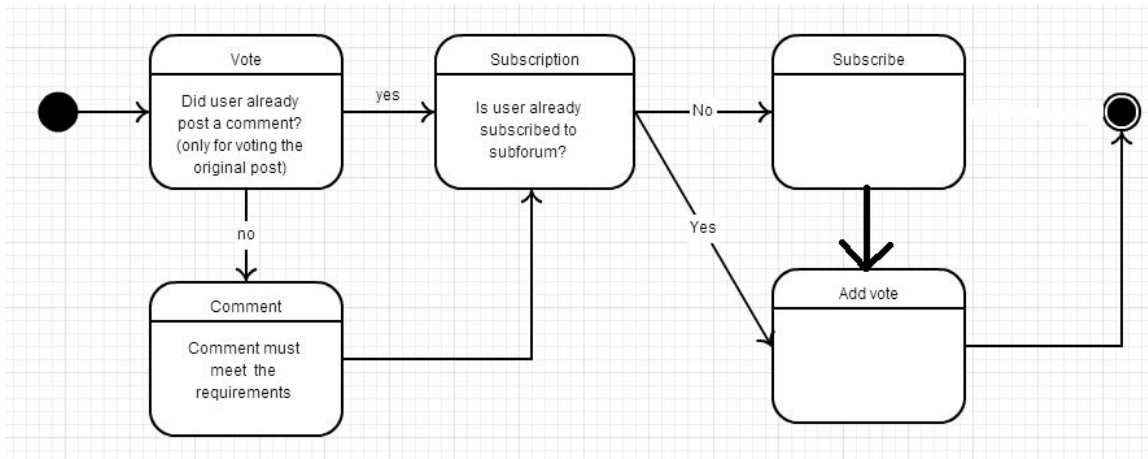
SEQUENCE DIAGRAM: VOTING SYSTEM

In sequence diagram we can see the order in which the system validates our vote. In this case, the user isn't subscribed to the subforum of the discussion, nor they commented, while trying to vote to original post. The system then notifies the user and awaits for the user to oblige to the requirements. After all requirements are met, the system communicates with the server and server writes an upvote to the discussion and awaits for acknowledgment from the database. After that, the server confirms the vote to the user.



STATE MACHINE: VOTING SYSTEM

The state machine diagram is a very similar to the activity diagram above, showing the system checking the requirements for successful voting



USE CASE: SUBSCRIBING/UNSUBSCRIBING

Here we have an use case diagram for subscribing and unsubscribing from a certain subforum. We can that any guest can search the subforums, but only registered users can actually subscribe, but in order to do so, they need to be signed in with their accounts. Users can unsubscribe only if they have been subscribed to a specific subforum.

