ID1354
Internet applications
Assignment 4

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Goal

- Learn to implement basic security and performance requirements.
- Learn to implement long polling.

- No new functionality is added to the ***Tasty Recipes*** web site. Instead you will implement non-functional requirements, thereby improving the user's experience.

Mandatory Task

Implement security handling as described in the following subsections on lecture 11.

- File system security
- Input Filtering
- Password Encryption
- Cross Site Scripting
- Impersonation

The report must clearly show that you have considered all content in these subsections.

Limits of Mandatory Task

- You are not required to consider the database security subsection.
- To set the username of the Apache server might be complicated. It is allowed to skip this if facing severe problems. However, the report must show that you have tried.
- You do not have to use HTTPS, but the report must show where HTTP should be used.

Optional Task 1

Implement performance improvements described in two of the following subsections on lecture 11. Note that you are allowed to skip one of the subsections.

- Client-side validation
- Caching
- Persistent Connections

The report must clearly show that you have considered all content in the subsections you chose.

Optional Task 2

Implement long polling for the comment section of the ***Tasty Recipes*** web site.

Long polling means that comments are displayed as soon as they are entered, also when entered in another browser.

This is achieved by re-calling the function loading comments from server as soon as it has terminated. This is implemented in the **`chat-jquery-knockout-comet-mvc`** sample application.

Note that there is a one second delay when reading comments on the server. Without it, the server would consume too much resources when repetedly checking for new comments.