



ID1354
Internet applications
Assignment 4

Leif Lindbäck

leifl@kth.se

SCS/ICT/KTH

Goal

- Learn to implement basic **security** and **performance** requirements.
- Learn to use **AJAX**.
- **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 **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

Use **AJAX** for the comment section of the ***Tasty Recipes*** web site.

This means the you shall **not** reload the entire page when comments are entered, instead, use **AJAX to post** comments.

Also use **AJAX to read** comments from the server.