



ID1354
Internet applications
Assignment 3

Leif Lindbäck, Nima Dokooohaki
leifl@kth.se, nimad@kth.se

SCS/ICT/KTH

Goal

- Learn **PHP** programming.
- Use a **database** for persistent storage.
- Use a **framework** that gives good **architecture and design** for the PHP server, for example **Laravel**.
- You will write a PHP web application to handle registrations and user comments on the ***Tasty Recipes*** web site.

Mandatory Tasks

The following tasks must be solved and reported at the seminar.

1. Store recipe comments on the server, in the PHP program, instead of the client side.
2. Add registration to the **Tasty Recipes** web site. A new user shall provide nick name, username and password. This information shall be stored on the server.
3. Add authentication (login) to the **Tasty Recipes** web site. The username and password provided at registration shall be used to log in.
4. Only authorized users (those who have logged in) shall be allowed to add comments to recipes. Users shall be allowed to edit only their own comments.

Optional Tasks

The following optional tasks gives one higher grade point each. You may choose freely among these tasks.

1. Use a **database** to store comments and user data persistently on the server.
2. Use the **Laravel** framework in *all* your PHP code.

Task 1, Store Comments on Server

- This does not change anything on the client, except that comments do not disappear when the web page is reloaded.
- A persistent store is not required, it is enough to **store data in fields in the PHP code**. This means comments will disappear when the server is restarted.

Task 2-3, Registration and Login

- Add a **new page** where the user can register and login.
- A persistent store is not required for user data, it is enough to **store data in fields in the PHP code**. This means registrations will disappear when the server is restarted.
- This new page must **match the style of the web site**. This applies to for example colors and fonts.
- You must **explicitly choose** font size, family and style; foreground and background color; mouse hovering and link behaviour. *None* of these properties may have the default value just because it is the default.

Task 4, Authorization

- Only authenticated (logged in) users shall be able to comment on recipes.
- Only authenticated (logged in) users shall be able to edit comments.
Users shall only be able to edit their own comments.

Auto-Generated Code and Copying

*All HTML and CSS code must be well-formatted and you must be able to explain and motivate **every single part**.*

However:

- You are **allowed to use any web development tool**, you do not have to write HTML and CSS by hand.
- You are **allowed to copy HTML, CSS and JavaScript from any web site**. In particular, you are encouraged to get inspiration from (or use) one of the many free JavaScript menus, for example
<http://www.siteground.com/tutorials/menu/javascript.htm>