WEB LANGUAGES AND TECHNOLOGIES

LTW :: 2017/18 PROJECT

home / courses / 2017 / ltw / project   #ltw   #web   #project

LTW PROJECT

Project description for the 2017 edition of the Web Languages and Technologies course.

OBJECTIVE

Create a web application where users can store and share **to-do lists**. To create this application, students should:

- ⊙ Create a **sqlite** database where data about users and to-do lists is stored.

- ⊙ Create documents using **HTML** and **CSS** that represent the web pages of the application.

- ⊙ Use **PHP** to generate those web pages after retrieving/changing data from the database.

- ⊙ Use **Javascript** to enhance the user experience (for example using Ajax).

WORK GROUPS

- ⊙ This project will be completed by students in groups of **three** (except in cases where the number of students is not a multiple of three).

- ⊙ Students should contact their practical class teachers, either in class or by mail, to establish these work groups.

- ⊙ The list of groups can be consulted here.

R E Q U I R E M E N T S

The **minimum** expected requirements are the following:

- ⊙ All users should be able to:
  - ● **Register** a new account.
  - ● **Login** and **logout**.
  - ● **Edit** their **profile**.
  - ● **List** their to-do lists.
  - ● **Create** new to-do lists.
  - ● **Add items** to a to-do list.
  - ● **Mark** an item as **completed**.
  - ● **Delete** a to-do list.

Students should also make sure that:

- ⊙ The following technologies are all used: **HTML**, **CSS**, PHP, **Javascript**, **Ajax/JSON**, **PDO/SQL** (using **sqlite**).
- ⊙ The web site should be as **secure** as possible.
- ⊙ Code should be **organized** and **consistent**.
- ⊙ Frameworks are **not** allowed.
- ⊙ Small helper libraries (e.g. displaying a gallery of pictures) might be allowed (talk with your practical class teacher).

Some suggested **extra** requirements:

- ⊙ Add extra information to to-do lists (category, title, color, …).
- ⊙ Add extra information to items (date due, dependency, color, …).
- ⊙ Allow items to be assigned to other users. Show the list of items assigned to the current user.

⊙ Allow the creation of projects. A project would have a set of users and to-do lists.

⊙ Advanced search capabilities.

⊙ Any other requirement you might think of…

EVALUATION

Evaluation will be done on the following topics:

⊙ **Complexity** (implemented features)

⊙ **Security** (xss, csrf, injection, password storage, …)

⊙ **Technology** (correct usage of html, css, javascript, ajax, no frameworks, …)

⊙ **Quality** (code quality, file organization, consistency, …)

⊙ **User Interface** (usability, consistency, …)

DELIVERY

⊙ **Presentation**: Practical classes on the week of 11th to 15th of December.

⊙ **Delivery**: Until the beginning of the class where you are presenting.

⊙ Instructions