WEB LANGUAGES AND TECHNOLOGIES

LTW :: 2016/17 PROJECT

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#ltw   #web   #project

LTW PROJECT

Project description for the 2016 edition of the Web Languages and Technologies course.

OBJECTIVE

Create a web application where users can share and review restaurants. To create this application, students should:

- Create a **sqlite** database where data about users and events 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** or **jQuery** 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 will be published shortly.

REQUIREMENTS

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

- There should be two types of users: owners and reviewers.
- All users should be able to:
  - Register a new account.
  - Login and logout.
  - Edit their profile.
- Owners should be able to:
  - Add new restaurants to the database (name, description, photo, …).
  - Manage their own restaurants.
  - Reply to reviews.
- Reviewers should be able to:
  - Search for restaurants.

● Leave a review (score + optional comment).

Students should also make sure that:

○ The following technologies are all used: **HTML**, **CSS**, PHP, **Javascript** (by means of **jQuery**), **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) are allowed.

Some suggested **extra** requirements:

○ Ability for users to add their own photos to restaurants.

○ Integration with google maps.

○ Extra information about restaurants (price, category, open hours, …).

○ Advanced search capabilities.

DELIVERY

○ **Date**: Until the **TBD**.

○ **Upload**: https://moodle.up.pt/ ↗

○ **Presentation**: On the week of 12th to 16th of December.