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.

D E L I V E R Y

- ⊙ **Date**: Until the **TBD**.

- ⊙ **Upload**: https://moodle.up.pt/ ↗

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