

# Web Development and Web Design

Version Spring 2020

## Lab project

### Lab 0. Preparation of REST back-end from previous course

#### Max 0 points

During labs each student should implement a front end project. It's a single page application that works with back end that was implemented in the previous course. In case of BE project absence, another one shall be created using Python, PHP or NodeJS. During lab evaluation both FE and BE projects will be checked out to a teacher's computer, so all requirements shall be easily installable. Lab demonstration on student's laptop causes points decrease.

*Student can use Docker for different REST back-end (Java/Spring, Go, dot.Net or other).*

For deployment use VirtualBox with Ubuntu 16:

<https://sourceforge.net/projects/osboxes/files/v/vb/55-U-u/16.04/16.04.6/1604.664.7z/download>

#### In the next parts:

Lab 1. Static pages layout. Adaptive/Responsible Design. SASS. GitHub Pages. **Max 10 points**

Lab 2. Client-server interaction with pure JS, no jQuery. AJAX. Linter. **Max 10 points**

Lab 3. Basic single page application with user management. Framework. **Max 10 points**

Lab 4. Add project specific functionality to SPA. **Max 15 points**

Lab 5. Unit tests. **Max 15 points**

Max 60 points for all 5 labs

Перевірка на плагіат