The objective of this project is to provision a web application on a cloud platform, using an Infrastructure as a Service (IaaS) approach.

WEB APPLICATION

The web application to provision is provided on "01.personalpage.zip" file (available on Moodle). This application is just a web page that shows a photo and personal information about the student and allows visitors to send messages to the student (by automated e-mail).

A working example of the application is available on this URL:

- http://ec2-52-31-180-136.eu-west-1.compute.amazonaws.com/prj1

The application is implemented in PHP and uses "swiftmailer" library (http://swiftmailer.org/) to send e-mail messages to the visitor and e-mail notifications to the applications owner (the student).

PROJECT

The application provided on "01.personalpage.zip" is not fully prepared for provision. It's the student responsibility to configure and modify the application as required. The following steps are required or recommended:

- Add a photo of the student;
- Configure the student information on "config/info.json" file;
- Configure the email server on "config/config.json" file – application will use this server to send e-mail to the visitors and to the applications owner (student);
- Add the swiftmail library to the project;
- Change if required, any code, setting in the project or system wide settings.

Students may choose any cloud computing platform but must use an IaaS approach. This means that application must be installed on a Virtual Machine.

Notes:

- Application may be tested using a clean Virtual Machine (e.g. Virtualbox, VMWare, etc.).
- Students can change application's code to adapt it to the cloud environment where it is provisioned, to fix any bug or issue found or to protect any critical resource.

Deliveries:

The delivery consists only of a text file (delivered on Moodle) with the following information:

- Student number;
- Student full name;
- Cloud platform used;
- URL of the live application.

After project delivery and during practical classes, the teacher may check/verify any aspect of the provision. Therefore, students should keep the application live, until the teacher confirms that it may be canceled.

GRADES

The grade of the work will be calculated according to the following criteria:

Nº	Weight	Criteria
1	**50%**	Application is live and information is correct
2	**30%**	E-mail automation is working
3	**20%**	All application's critical resources are protected (no need to use HTTPS protocol)