Project evaluation form for the course "**Web Design and Programming**"
AY. 2018/2019 – v1.0

Name and surname of the student: _____

NUM	Question	Category	Points	Achived	Total	Max
1.	Project name**:**					
2.	Sign up:	Username verification (AJAX)[1]	0,5			3,0
		CAPTCHA[2]	0,5			
		Client-side validation (min 5)[3]	0,5			
		Server-side validation (min 5)[4]	0,5			
		Email activation[5]	0,5			
		.htaccess account protection[6]	0,5			
3.	Sign in:	COOKIE storage[7]	0,3			2,0
		HTTPS protocol[8]	0,3			
		Sign out[9]	0,3			
		Account deactivation[10]	0,5			
		Forgotten password[11]	0,6			
4.	System:	Search with pagination[12]	2,0			11,0
		AJAX (XML, JSON)[13]	3,5			
		Virtual time[14]	2,0			
		Event logging[15]	1,0			
		Responsive web design[16]	1,2			
		Terms and conditions[17]	0,3			
		Column sort[18]	1,0			
5.	Visitor:	Authorizations of visitors[19]	1,0			1,0
6.	Registered user:	Collecting points[20]	1,0			6,0
		Image galley[21]	2,5			
		Order posters [22]	1,0			
		Rewview posters[23]	1,5			
7.	Moderator:	Defining vouchers[24]	1,5			6,5
		Voucher verification[25]	0,5			
		Creating business posters[26]	1,5			
		Review business posters[27]	1,5			
		Review list of users[28]	1,5			
8.	Administrator:	Account activation and deactivation[29]	1,0			7,5
		System settings[30]	1,0			
		Application log review[31]	0,5			
		Defining categories[32]	1,0			
		Creating vouchers[33]	1,0			
		User loyalty statistics[34]	1,5			
		Statistics graphical [35]	1,5			

9.	Additional features:[36]	Smarty PHP template engine[37]	3,0			(7,0)
		Angular JS framework[38]	3,5			
		PDF reports[39]	1,0			
		SEO links[40]	1,0			
		XSS and SQL injection security[41]	1,5			
10.	System errors:[42]					
11.	Project documentation:[43]					2,0
12.	User interface:[44]					2,0
13.	Source code:[45]					2,0
14.	Presentation:[46]					2,0
15.	Notices:[47]					
16.	**After the project defense, it is necessary to restrict further URL access to the project. Also, if minimum 15 points has been achieved all project files need to be compressed (ZIP format) and uploaded to the course page in Moodle. Mark as complete or not complete.**			NO		YES
Sum:						45
Stimulation						%
Penalisation						%
TOTAL NUMBER OF ACHIEVED POINTS (max 45)						45

Date: _____   Signature: _____

IMPORTANT:

- The table above contains several project evaluation categories. Column total shows the total number of points for each evaluation category. Column achieved shows the achieved points for a module of an evaluation category regarding the completion percentage. For certain evaluation categories, the student cannot get the maximum number of points if all modules aren't implemented.

- Evaluation categories under the ordinal number 11, 12, 13 and 14 maximum can carry up to 50% of the points earned from earlier evaluation categories (excluding points from the Additional features evaluation category). For example, if a student collects 12 points from earlier evaluation categories, in total he or she can achieve maximum 6 points from other evaluation categories (excluding points from the Additional features evaluation category).

- **In order to get a new date to improve your project in the first 8 evaluation categories it is necessary to gather minimum 7,5 points. Otherwise the student has failed the course.**

- **The number of minimum points for the project is 15 points the points for Documentation and Presentation are NOT counted.**

- In the 9th category aka Additional features it is possible to obtain extra points. From a total sum of 10 points, if the requirements are meet maximum 7 extra points can be achieved.

- It is not possible to get more than 45 points in total including stimulation.

[1] Username verification in the database via AJAX.

[2] Implementation of an existing CAPTCHA system (recommended reCAPTCHA) for preventing bot's.

[3] Minimum 5 different client-side validations for entered user data, e.g. username, password, email address format, etc.

[4] The same as the earlier footnote but on the server-side.

[5] Confirmation of the registration with an activation code send via email valid for 24 hours, i.e. according to configuration parameters defined in system settings.

[6] Access control to the directory named private/ protected with an .htaccess file. After access is granted a script named users.php lists out all users and their passwords in plain text. Access to this directory is NOT necessary restricted to the application users only. For details see the general specification document.

[7] Remember the last successfully logged in user (without password) in the COOKIE (like when logging into the Moodle system) and fil out the username Input field with the value of the last successful logged in user.

[8] Sign in must be implemented over a secure line meaning over HTTPS protocol.

[9] Sign out from the system and delete of the SESSION.

[10] After N (e.g. 3, i.e. number of allowed unsuccessful sequential sign in attempts property in system settings) unsuccessful sequential sign in attempts the user account need to be deactivated. The administrator only has the possibility to activate the deactivated user account again.

[11] Send an email with a new password.

[12] Present data listing in at least 3 tables with more than 10 rows or based on the current pagination number (system settings) must include pagination (first page, next page, pervious page, last, etc.) and an search functionality. The DataTables solution is accepted but if data tables are used maximum 0,5 points in total can be achieved for this module.

[13] Usage of server data without refreshing the screen (XML – 3,5, JSON – 3,5, HTML - 1). Only own implementations (jQuery AJAX method is allowed) that realizes the functionality of AJAX through the entire role administrator or the roles modearator and registered user are accepted. The usage of DataTables, AutoComplete and other plugins which include complete AJAX solutions is prohibited. Points for this module not include points for the module Username verification (AJAX) of the evaluation category Sign up.

[14] The application is by default working with the virtual time (event logging, etc.). The virtual time is calculated of ground of server time plus the time shift in number of hours. For details see the general specification document.

[15] Logging every request/action into the application log (who, when and what was done, etc.). Respectively, gathering all basic information about performed systems actions and insert them into the application log, i.e. type login/logout (user, time), database queries (user, query and time), type of action (user, time and action), etc. For details see the general specification document.

[16] Own implementation for the responsive web design (custom width, height, orientation based on the type of connected device like desktop PC's, mobile phones, tablet's, etc.) applied throughout the entire project and the functionality of print preview for statistic data. For details see the general specification document. Bootstrap or other similar types of solutions aren't accepted.

[17] Decision of acceptance of the terms and conditions is stored in the COOKIE. For details see the general specification document.

[18] Own implementation for the column sort applied in at least 3 tables of the whole project. The DataTables solution isn't accepted.

[19] Authorizations of unregistered users or visitors. For details see the project description document.

[20] For performed actions the user obtains points. The total number of collected points so far can be reviewed in the user profile. For details see the 3rd point project description document registered user.

[21] Display of all available vouchers in the category in the form of an image gallery. For details see the 4th point project description document for the registered user.

[22] Functionality described in the 1st point of the project description document for the registered user.

[23] Functionality described in the 2nd point of the project description document for the registered user.

[24] Moderators chose existing vouchers created by the administrator and define how many points there are worth in his category. For details see the 4th point of the project description document for moderator.

[25] Moderators can with help of the voucher code verify whether there such voucher in his category exists or does not exist. For details see the 5th point of the project description document for moderator.

[26] Functionality described in the 1st point of the project description document for the moderator.

[27] Functionality described in the 2nd point of the project description document for the moderator.

[28] Functionality described in the 3rd point of the project description document for the moderator.
[29] Review of deactivated user accounts with the possibility to activate and deactivate them again.

[30] Pagination (number of shown records), user interface (excluding responsive web design and changing the category layout), session duration and at least two additional options (excluding virtual time). For details see the general specification document.

[31] Review and search of all records in the application log. For details see the general specification document.

[32] Defining categories and the assessment of moderators to them. 1st point of the project description for administrator.

[33] Creating vouchers that can be used when the user obtains enough points. For details see the 2nd point of the project description document for administrator.

[34] Display of the user loyalty statistics through tables and charts. For details see the 3rd point of the project description for administrator and the general specification document.

[35] Graphical presentation of the statistics in the role of administrator.
[36] Extra points.

[37] Usage of the Smarty PHP template engine in the whole project.

[38] Usage of the Angular JS framework throughout the whole project. Only students who have received the necessary number of points from assignment 3 can use the Angular JS framework in their projects. In that case points for the module AJAX (XML, JSON) in the evaluation category System can't be obtained.

[39] Generating PDF reports based on gathered statistical data.

[40] Usage of search engine optimized (SEO) links throughout the entire project.

[41] Security mechanisms for preventing XSS and SQL injection attacks implemented through the entire project. For details see the general specification document.
[42] Negative points can be obtained if identified or detected errors are not included in the project documentation.

[43] Part of the project documentation are the following web pages author.html and documentation.html. The web page documentation.html includes description of the assigned project, description of the project solution, use case diagrams, ER diagram, list and description of all project files, sitemap, list and description of used technology, list and description of external sources used, list and description of identified or detected errors, self-evaluation of project completion in percentages, list and description of functionality that is not implemented, etc.

[44] Improved user experience of the web page excluding responsive web design.

[45] OOP paradigm, documentation and understanding of the project source code.

[46] Quality of the presented project that needs to be done within 30 minutes.

[47] Examiner observations during the project defense.