

City University London
IN3007 Individual Project
Final Year Project Report

Academic Year: 2014-15

Appendix G
Re-use of code document

by

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1. Application overview

This chapter will provide an overview of the application project, which consists of all the files required in order to run the application successfully. The files relate to a number of different aspects of the application such as application files, resources or documentation. The table and print screens below will explain the type, usage and the re-usage level of the code (code written by the developer, code written by a third-party with changes by the developer or code written by a third party) of each file within each folder of the application. The developer in this context is the student, Sergiu Tripon. Third party in this context represent the external company who developer a tool which the developer used within the application.

ID	File name	Type	Usage	Code re-usage
/account folder				
1	account-deleted.php	Application file	Page the user is redirected to when deleting their account	Code written by developer
2	change-password.php	Application file	Page where the user is able to change their password	Code written by developer
3	delete-account.php	Application file	Page where the user is able to delete their account	Code written by developer
4	pay-course-fees.php	Application file	Page where the user is able to pay for their course fees	Code written by developer
5	update-account.php	Application file	Page where the user is able to update their account	Code written by developer
/admin folder				
6	allocate-exam.php	Application file	Page where the user is able to allocate exams	Code written by developer
7	allocate-lecture.php	Application file	Page where the user is able to allocate lectures	Code written by developer
8	allocate-module.php	Application file	Page where the user is able to allocate modules	Code written by developer
9	allocate-tutorial.php	Application file	Page where the user is able to allocate tutorials	Code written by developer
10	change-password.php	Application file	Page where the user is able to change another account's password	Code written by developer
11	create-account.php	Application file	Page where the user is able to create an account	Code written by developer
12	create-book.php	Application file	Page where the user is able to create a book	Code written by developer

ID	File name	Type	Usage	Code re-usage
13	create-event.php	Application file	Page where the user is able to create an event	Code written by developer
14	create-exam.php	Application file	Page where the user is able to create a exam	Code written by developer
15	create-lecture.php	Application file	Page where the user is able to create a lecture	Code written by developer
16	create-location.php	Application file	Page where the user is able to create a location	Code written by developer
17	create-module.php	Application file	Page where the user is able to create a module	Code written by developer
18	create-result.php	Application file	Page where the user is able to create a result	Code written by developer
19	create-tutorial.php	Application file	Page where the user is able to create a tutorial	Code written by developer
20	select-module.php	Application file	Page where the user is able to select a module to create a result for	Code written by developer
21	update-account.php	Application file	Page where the user is able to update an account	Code written by developer
22	update-book.php	Application file	Page where the user is able to update a book	Code written by developer
23	update-event.php	Application file	Page where the user is able to update an event	Code written by developer
24	update-exam.php	Application file	Page where the user is able to update a exam	Code written by developer
25	update-lecture.php	Application file	Page where the user is able to update a lecture	Code written by developer
26	update-location.php	Application file	Page where the user is able to update a location	Code written by developer
27	update-module.php	Application file	Page where the user is able to update a module	Code written by developer
28	update-result.php	Application file	Page where the user is able to update a result	Code written by developer
29	update-tutorial.php	Application file	Page where the user is able to update a tutorial	Code written by developer

ID	File name	Type	Usage	Code re-usage
/assets folder				
30	css folder	Application folder	Folder to keep CSS files	-
31	css-path folder	Application folder	Folder to keep a file that points to the other CSS files	-
32	img folder	Application folder	Folder to keep image files	-
33	js folder	Application folder	Folder to keep JavaScript files	-
34	js-path folder	Application folder	Folder to keep a file that points to the other JavaScript files	-
35	tpls	Resource folder (Bootstrap Calendar)	Folder that consists of template files for the Bootstrap Calendar layout	-
36	meta-tags.php	Application file	File that consists of the meta tags in the head section of a HTML file	Code written by developer
/assets/css folder				
37	files folder	Application folder	Folder to keep CSS files	-
38	custom.min.css.php	Application file	File that gathers all CSS files and minimizes them. Consists of all CSS code that the application requires	Code written by third party (see chapter 3)
/assets/css/files folder				
39	fonts folder	Resource folder	Folder that consists of the font files required by Bootstrap and FontAwesome	-
40	bootstrap.min.css	Resource file	File provided by Bootstrap. Consists of the CSS classes within the Bootstrap Framework	Code written by third party (Bootstrap)
41	bootstrap-datetimepicker.min.css	Resource file	File provided by Bootstrap DateTimePicker. Consists of CSS code needed to power the plugin	Code written by third party (Bootstrap DateTimePicker)
42	calendar.min.css	Resource file	File provided by Bootstrap Calendar.	Code written by third party

ID	File name	Type	Usage	Code re-usage
			Consists of CSS code needed to power the plugin	(Bootstrap Calendar)
43	custom.css	Application file	File that consists of all the CSS classes and customisations specific to the application	Code written by developer/Code written by third party (see Chapter 2 and 3)
44	dataTables.bootstrap.css	Resource file	File provided by DataTables. Consists of CSS code needed to power the plugin	Code written by third party (DataTables)
45	dataTables.FontAwesome.css	Resource file	File provided by DataTables. Consists of CSS code needed to power the plugin	Code written by third party (DataTables)
46	ekko-lightbox.min.css	Resource file	File provided by Ekko-Lightbox. Consists of CSS code needed to power the plugin	Code written by third party (Ekko-Lightbox)
47	font-awesome.min.css	Resource file	File provided by FontAwesome. Consists of CSS code needed to power the plugin	Code written by third party (FontAwesome)
48	select2.min.css	Resource file	File provided by select2. Consists of CSS code needed to power the plugin	Code written by third party (select2)
/assets/css/files/fonts folder				
49	FontAwesome.otf	Resource font file	Font file required by font-awesome.min.css (above)	Code written by third party (FontAwesome)
50	fontawesome-webfont.eot	Resource font file	Font file required by font-awesome.min.css (above)	Code written by third party (FontAwesome)
51	fontawesome-webfont.svg	Resource font file	Font file required by font-awesome.min.css (above)	Code written by third party (FontAwesome)
52	fontawesome-webfont.ttf	Resource font file	Font file required by font-awesome.min.css (above)	Code written by third party (FontAwesome)
53	fontawesome-webfont.woff	Resource font file	Font file required by font-awesome.min.css	Code written by third party (FontAwesome)

ID	File name	Type	Usage	Code re-usage
			(above)	
54	fontawesome-webfont.woff2	Resource font file	Font file required by font-awesome.min.css (above)	Code written by third party (FontAwesome)
55	glyphicon-halflings-regular.eot	Resource font file	Font file required by bootstrap.min.css (above)	Code written by third party (Bootstrap)
56	glyphicon-halflings-regular.svg	Resource font file	Font file required by bootstrap.min.css (above)	Code written by third party (Bootstrap)
57	glyphicon-halflings-regular.ttf	Resource font file	Font file required by bootstrap.min.css (above)	Code written by third party (Bootstrap)
58	glyphicon-halflings-regular.woff	Resource font file	Font file required by bootstrap.min.css (above)	Code written by third party (Bootstrap)
59	glyphicon-halflings-regular.woff2	Resource font file	Font file required by bootstrap.min.css (above)	Code written by third party (Bootstrap)
/assets/css-paths folder				
60	common-css-paths.php	Application file	File that consists of the path to custom.min.css.php file which includes all CSS code	Code written by developer
assets/img folder				
61	bg folder	Application folder	Folder that consists of the background image	-
62	favicon folder	Application folder	Folder that consists of the favicon icon	-
63	preloader folder	Application folder	Folder that consists of the preloader gif	-
64	university-map folder	Application folder	Folder that consists of the university-map marker icons	-
/assets/img/bg folder				
65	background.png	Application image	File that represents the background image used within the application	Image acquired from Subtle Patterns (see chapter 3)
/assets/img/favicon folder				
66	favicon.ico	Application icon	File that represents the favicon icon used within the	Icon acquired from FontAwesome/Image created by

ID	File name	Type	Usage	Code re-useage
			application	developer in Photoshop/Image turned into favicon using Favicon Generator (see chapter 3)
/assets/img/preloader folder				
67	preloader.gif	Application image	File that represents the preloader image that appears during every page navigation and certain performed actions	GIF acquired from Preloaders.net (see Chapter 3)
/assets/img/university-map folder				
68	atm_icon.png	Application icon	File that represents the icon used for the ATM category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
69	building_icon.png	Application icon	File that represents the icon used for the Building category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
70	computer_lab_icon.png	Application icon	File that represents the icon used for the Computer Lab category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
71	cycle_hire_icon.png	Application icon	File that represents the icon used for the Cycle Hire category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
72	cycle_parking_icon.png	Application icon	File that represents the icon used for the Cycle Parking category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
73	lecture_theatre_icon.png	Application icon	File that represents the icon used for the Lecture Theatre category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
74	library_icon.png	Application icon	File that represents	Icon acquired from

ID	File name	Type	Usage	Code re-usage
			the icon used for the Library category within the University Map page of application	Map Icons Collection (see Chapter 3)
75	student_centre_icon.png	Application icon	File that represents the icon used for the Student centre category within the University Map page of application	Icon acquired from Map Icons Collection (see Chapter 3)
/assets/js folder				
	files folder	Application folder	Folder to keep CSS files	-
76	custom.min.js.php	Application file	File that gathers all JavaScript files. Consists of all JavaScript code that the application requires	Code written by developer
/assets/js/files folder				
77	bootstrap.min.js	Resource file	File provided by Bootstrap. Consists of the JavaScript functions within the Bootstrap Framework	Code written by third party (Bootstrap)
78	bootstrap-datetimepicker.min.js	Resource file	File provided by Bootstrap Datepicker. Consists of JavaScript code required to power the plugin	Code written by third party (Bootstrap Datepicker)
79	calendar.min.js	Resource file	File provided by Bootstrap Calendar. Consists of CSS code required to power the plugin	Code written by third party (Bootstrap Calendar)
80	custom.js	Application file	File that consists of all the JavaScript code and customisations specific to the application	Code written by developer/Code written by third party (Brad Knutson)
81	dataTables.bootstrap.js	Resource file	File provided by DataTables. Consists of JavaScript code required to customise the	Code written by third party (DataTables)

ID	File name	Type	Usage	Code re-usage
			plugin to match the Bootstrap branding	
82	ekko-lightbox.min.js	Resource file	File provided by Ekko-Lightbox. Consists of JavaScript code required to power the plugin	Code written by third party (Ekko-Lightbox)
83	html5shiv.min.js	Resource file	File provided by HTML5 Shiv. Consists of JavaScript code that aids compatibility with early IE versions	Code written by third party (HTML5 Shiv)
84	ie10-viewport-bug-workaround.min.js	Resource file	File provided by Bootstrap. Consists of JavaScript code fixing a viewport issue in IE10	Code written by third party (Bootstrap)
85	jquery.dataTables.min.js	Resource file	File provided by DataTables. Consists of JavaScript code required to power the plugin	Code written by third party (dataTables)
86	jquery-2.1.3.min.js	Resource file	File consists of the jQuery library code	Code written by third party (jQuery)
87	jstz.min.js	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
88	location-overview.js	Resource file	File that consists of JavaScript code that powers the University Map - Location Overview page	Code written by third party (Google Maps Developers tutorial)/Code written by developer (See chapter 2 and 3)
89	location-search.js	Resource file	File that consists of JavaScript code that powers the University Map - Location Overview page	Code written by third party (Google Maps Developers tutorial)/Code written by developer (See chapter 2 and 3)
90	moment.min.js	Resource file	File required by bootstrap-datetimepicker.min.js (above)	Code written by third party (Moment.js)
91	respond.min.js	Resource file	File provided by	Code written by

ID	File name	Type	Usage	Code re-usage
			Bootstrap. Consists of JavaScript code that aids compatibility with early IE versions	third party (Respond.js)
92	select2.min.js	Resource file	File provided by select2. Consists of JavaScript code required to power the plugin	Code written by third party (select2)
93	sign-out-inactive.js	Resource file	File that consists of JavaScript code which detects when a user has been inactive for 15 minutes	Code written by developer
94	tileJS.min.js	Resource file	File provided by tileJS. Consists of JavaScript code which creates the “tilt” effect when clicking on tiles, specific to Metro style design	Code written by third party (tileJS)
95	underscore-min.js	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
96	underscore-min.map	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
/assets/js/js-paths folder				
97	common-js-paths.php	Application file	File that consists of the path to custom.min.js.php file which includes all JavaScript code	Code written by developer
98	location-overview-js-path.php	Application file	File that consists of the path to location-overview.js file which includes the JavaScript code used to power the University Map - Location Overview page	Code written by developer
99	location-search-js-path.php	Application file	File that consists of the path to location-search.js file which includes the JavaScript code used to power the	Code written by developer

ID	File name	Type	Usage	Code re-usage
			University Map - Location Search page	
/assets/tmpls folder				
100	day.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
101	event-list.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
102	modal.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
103	month.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
104	month-day.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
105	week.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
106	week-days.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
107	year.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
108	year-month.html	Resource file	File required by calendar.min.js (above)	Code written by third party (Bootstrap Calendar)
/cron folder				
109	cron_log.txt	Application file	File that consists of success or error message which are written in the file every time the cron job on the transport-script.php runs	-
110	transport-script.php	Application file	File that consists of code which reads data from TFL	Code written by developer

ID	File name	Type	Usage	Code re-usage
			Transport API and inserts into the database	
/db folder				
111	db_sampledata.sql	Application file	File that consists of code which creates sample data within the database of the application	Code written by developer
112	db_statements.sql	Application file	File that consists of code which creates the database tables required to power the application	Code written by developer
/events folder				
113	book-event.php	Application file	Page where the user is able to book an event	Code written by developer
/feedback folder				
114	submit-feedback.php	Application file	Page where the user is able to submit feedback for a module	Code written by developer
/includes folder				
115	calendar folder	Application folder	Folder that consists of files that extract data from the database and bind the data to the calendar	-
116	footers folder	Application folder	Folder that consists of files that contain the HTML code required to display the website footers	-
117	menus folder	Application folder	Folder that consists of files that contain the HTML code required to display the website menus	-
118	paypal folder	Application folder	Folder that consists of files that process the data and post it to PayPal as well as control the post-payment events	-
119	university-map folder	Application folder	Folder that consists of files that contain the geographical data required to display location on the map. It also	-

ID	File name	Type	Usage	Code re-usage
			consists of a script file which inserts location into the database	
120	db-config.php	Application file	File that consists of code to configure the database connection	Code written by developer
121	db_connection.php	Application file	File that consists of code to create the database connection	Code written by developer
	functions.php	Application file	File that consists of code that performs all programmed functions within the system	Code written by developer
122	processes.php	Application file	File that consists of code which intercepts the POST methods and based on the POST variable, it controls which functions are ran	Code written by developer
123	session.php	Application file	File that consists of code to create the session	Code written by developer
/includes/calendar folder				
124	source folder	Application file	Folder that consists of files that extract data from the database and bind the data to the calendar	-
includes/calendar/source folder				
125	events_json.php	Application file	File that consists of code which extracts events from the database and binds the events to the calendar	Code written by third party (Bootstrap Calendar)/Code written by developer
126	reservedbooks_json.php	Application file	File that consists of code which extracts events from the database and binds the events to the calendar	Code written by third party (Bootstrap Calendar)/Code written by developer
127	tasks_json.php	Application file	File that consists of code which extracts events from the database and binds the events to the calendar	Code written by third party (Bootstrap Calendar)/Code written by

ID	File name	Type	Usage	Code re-usage
			calendar	developer
/includes/footers folder				
128	footer.php	Application file	File that consists of code required to display the website footers	Code written by developer
/includes/menus folder				
129	menu.php	Application file	File that consists of code required to display the website menu prior to the user being signed into the system	Code written by developer
130	portal_menu.php	Application file	File that consists of code required to display the website menu once the user is signed into the system	Code written by developer
/includes/paypal folder				
131	events_paypal_process.php	Integration file	File that consists of code which processes the event data and posts it to PayPal as well as controlling the post-payment events	Code written by third party (PayPal PHP Class)/Code written by developer (see Chapter 2)
132	fees_paypal_process.php	Integration file	File that consists of code which processes the fee data and posts it to PayPal as well as controlling the post-payment events	Code written by third party (PayPal PHP Class)/Code written by developer (see Chapter 2)
133	paypal-cancel.php	Application file	Page the user is redirected to when cancelling a payment	Code written by developer
134	paypal-success.php	Application file	Page the user is redirected to when completing a payment	Code written by developer
135	paypal_class.php	Integration file	File that consists of code which processes the payment data and posts it to PayPal as well as receiving the post-payment PayPal IPN information	Code written by third party (PayPal PHP Class)/Code written by developer (see Chapter 2)
/includes/university-map folder				

ID	File name	Type	Usage	Code re-usage
136	source-folder	Integration folder	Folder that consists of files that extract data from the database and bind the data to the map. It	-
137	xml-folder	Integration folder	Folder that consists of files that contain the geographical data required to display locations on the map. It also consists of a script file which inserts location into the database	-
138	xml-backup folder	Integration folder	Backup folder that consists of files that contain the geographical data required to display location on the map.	-
/includes/university-map/source folder				
139	import_locations.php	Integration file	File that consists of code which reads the location xml files and inserts the data into the database	Code written by developer
140	location_overview_source.php	Integration file	File that consists of code which extracts data from the database and binds it to the map within the University Map - Location overview page	Code written by third party (Google Developers tutorial)/Code written by developer (see Chapter 2)
141	location_search_source.php	Integration file	File that consists of code which extracts data from the database and binds it to the map within the University Map - Location search page	Code written by third party(Google Developers tutorial)/Code written by developer (see Chapter 2)
/includes/university-map/xml folder				
142	atms.xml	Integration file	File provided by City University London. It consists of geographical data related to	Code written by third party (City University London)

ID	File name	Type	Usage	Code re-usage
			ATM machines required to display location on the map	
143	cycle_hire.xml	Integration file	File provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
144	cycle_parking.xml	Integration file	File provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
145	locations.xml	Integration file	File provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
/includes/university-map/xml-backup folder				
146	atms.xml	Integration file	Backup of file provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
147	cycle_hire.xml	Integration file	Backup of file provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
148	cycle_parking.xml	Integration file	Backup of file provided by City University London. It consists of geographical data related to ATM machines required	Code written by third party (City University London)

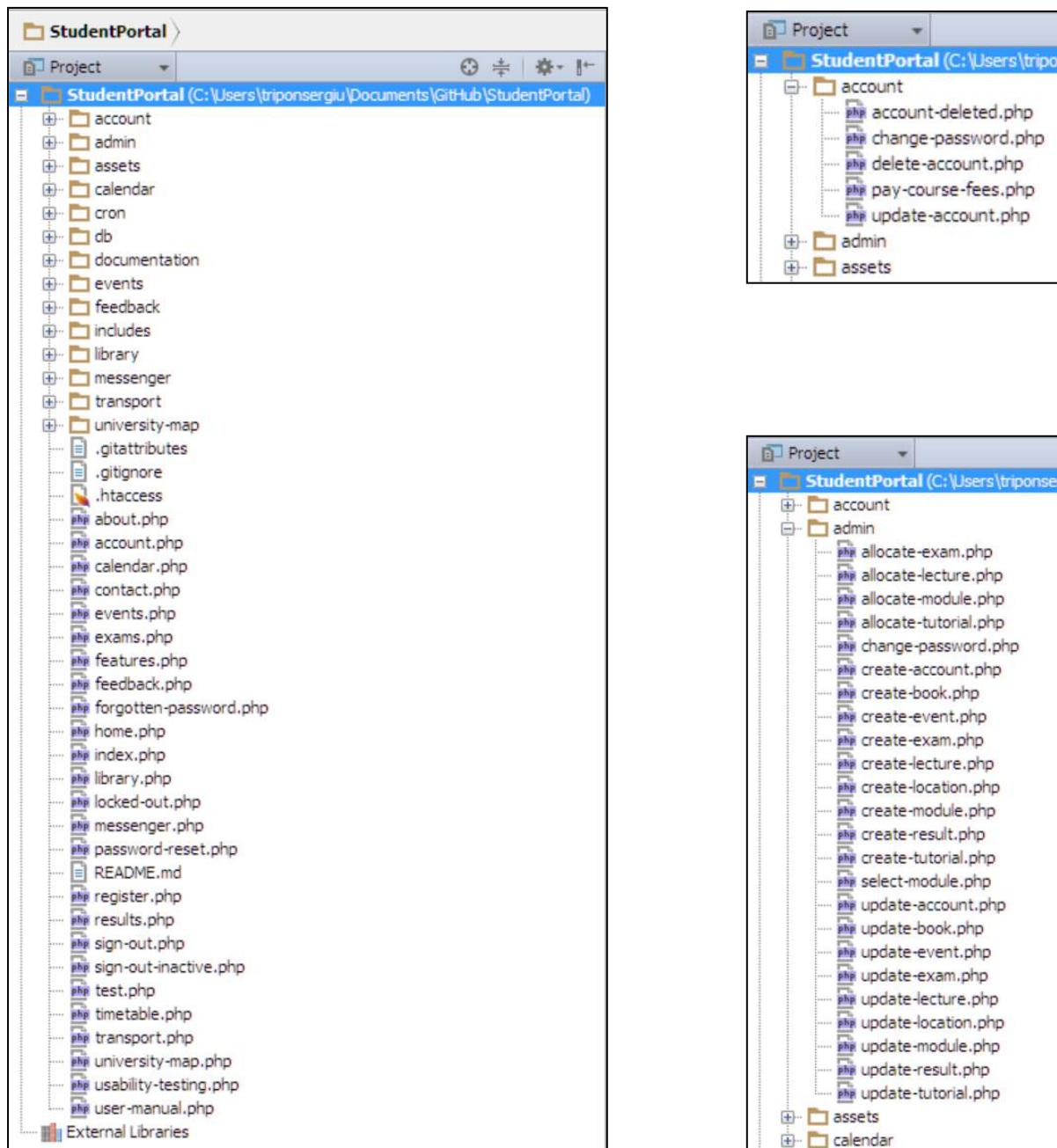
ID	File name	Type	Usage	Code re-usage
			to display location on the map	
149	locations.xml	Integration file	Backup of file provided by City University London. It consists of geographical data related to ATM machines required to display location on the map	Code written by third party (City University London)
/library folder				
150	renew-book.php	Application file	Page where the user is able to renew a book loan	Code written by developer
151	request-book.php	Application file	Page where the user is able to request a book	Code written by developer
152	reserve-book.php	Application file	Page where the user is able to reserve a book	Code written by developer
/messenger folder				
153	message-user.php	Application file	Page where the user is able to reserve a book	Code written by developer
/transport folder				
154	cycle-hire.php	Application file	Page where the user can access Cycle Hire status information	Code written by developer
155	tube-now.php	Application file	Page where the user can access Live Tube status information	Code written by developer
156	tube-this-weekend.php	Application file	Page where the user can access This Weekend Tube status information	Code written by developer
/university folder				
157	location-overview.php	Application file	Page where the user can see all locations near the university campus and filter them by category. The user is also able to get their current location.	Code written by developer
158	location-search.php	Application file	Page where the user can search for a specific location and see nearby locations related to	Code written by developer

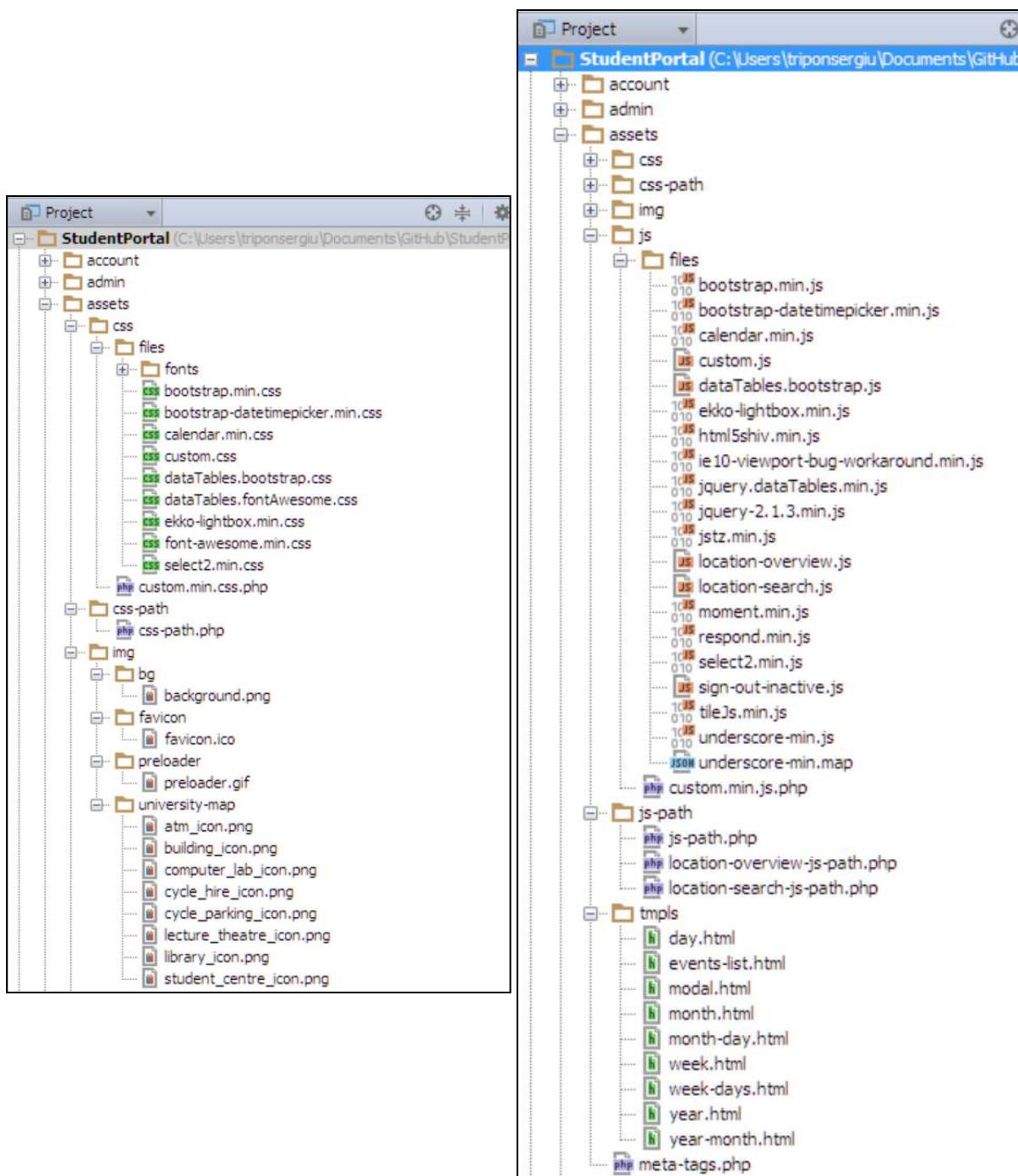
ID	File name	Type	Usage	Code re-usage
			the university. The user is also able to get their current location.	
/user-manual folder				
159	user-manual-student.pdf	Documentation file	File that consists of the user manual for a user with student privileges	Written by developer
160	user-manual-academic-staff.pdf	Documentation file	File that consists of the user manual for a user with academic staff privileges	Written by developer
161	user-manual-administrator.pdf	Documentation file	File that consists of the user manual for a user with administrator privileges	Written by developer
/root folder				
162	.gitattributes	Github file	Auto-generated by Github	-
163	.gitignore	Github file	Auto-generated by Github	-
164	.htaccess	Apache web hosting file	File that consists of Apache code that controls various aspects of the web hosting environment	Code written by third party (various sources - see Chapter 3)
165	about.php	Application file	File that consists of HTML code required to display the About page of the web application	Code written by developer
166	account.php	Application file	File that consists of HTML code required to display the Account page of the web application	Code written by developer
167	calendar.php	Application file	File that consists of HTML code required to display the Calendar page of the web application	Code written by developer
168	contact.php	Application file	File that consists of HTML code required to display the Contact page of the web application	Code written by developer
169	events.php	Application file	File that consists of	Code written by

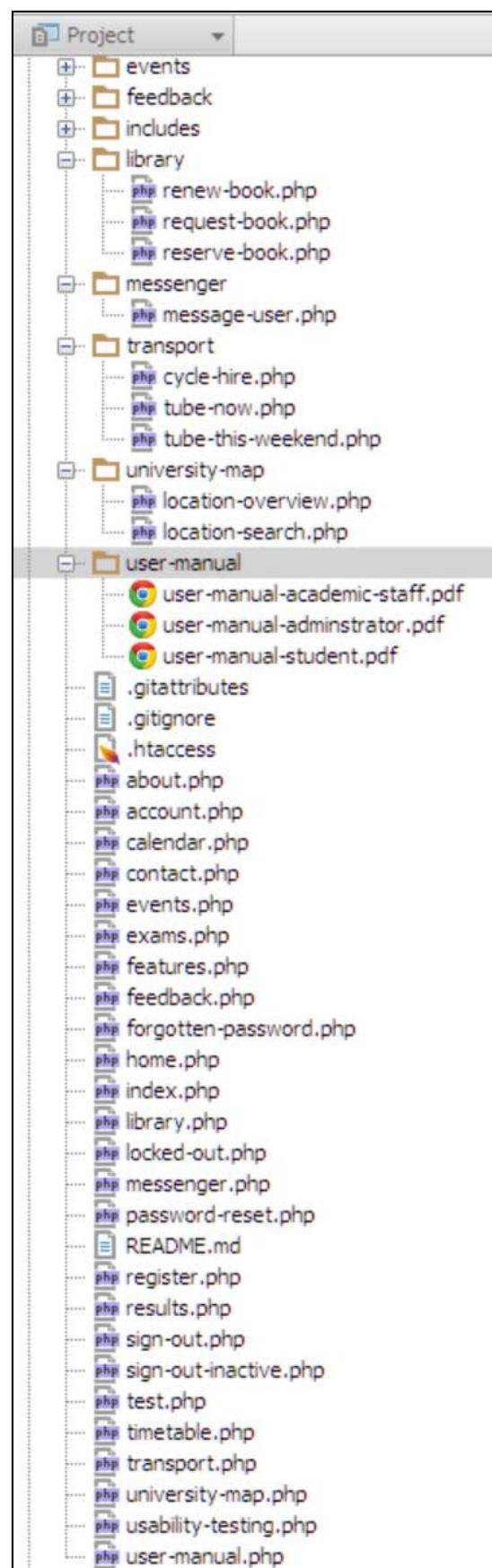
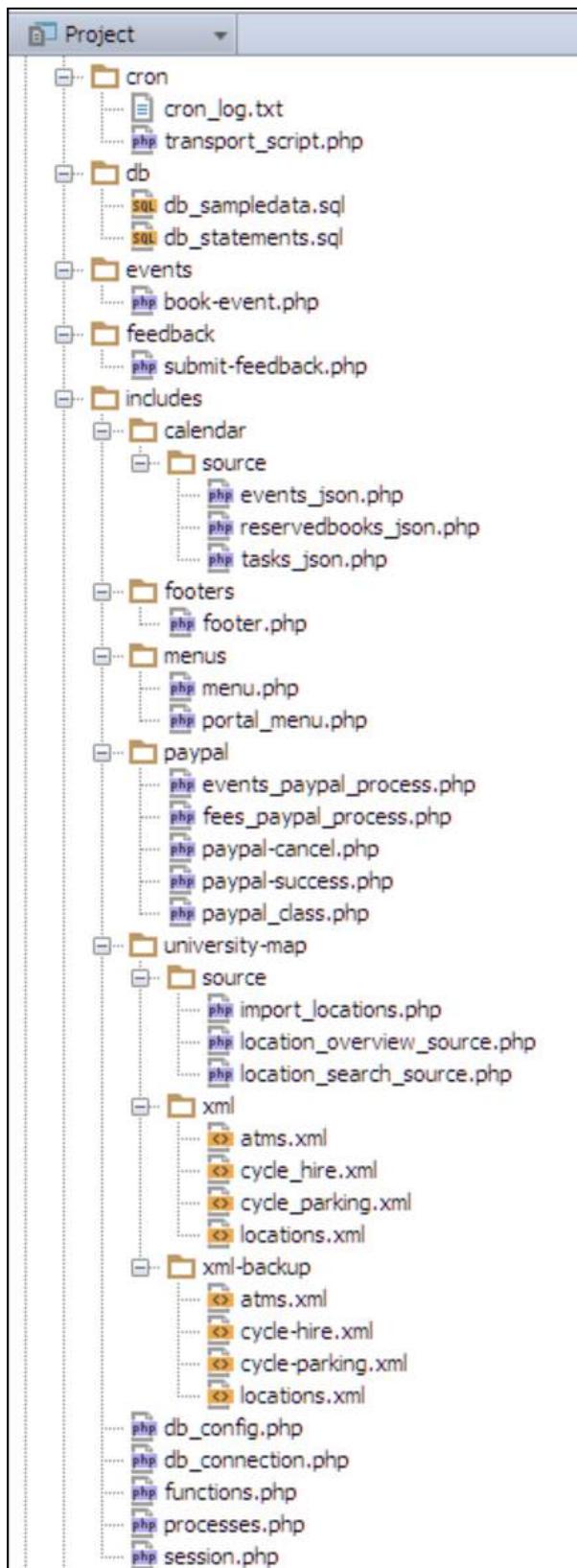
ID	File name	Type	Usage	Code re-usage
			HTML code required to display the Events page of the web application	developer
170	exams.php	Application file	File that consists of HTML code required to display the Exams page of the web application	Code written by developer
171	features.php	Application file	File that consists of HTML code required to display the Features page of the web application	Code written by developer
172	feedback.php	Application file	File that consists of HTML code required to display the Feedback page of the web application	Code written by developer
173	forgotten-password.php	Application file	File that consists of HTML code required to display the Forgotten your password page of the web application	Code written by developer
174	home.php	Application file	File that consists of HTML code required to display the Home page of the web application	Code written by developer
175	index.php	Application file	File that consists of HTML code required to display the Sign In page of the web application	Code written by developer
176	library.php	Application file	File that consists of HTML code required to display the Library page of the web application	Code written by developer
177	locked-out.php	Application file	File that consists of HTML code required to display the Locked out page of the web application	Code written by third party (see Chapter 2/3)/Code written by developer
178	messenger.php	Application file	File that consists of HTML code required to display the Messenger page of the web	Code written by developer

ID	File name	Type	Usage	Code re-usage
			application	
179	password-reset.php	Application file	File that consists of HTML code required to display the Password Reset page of the web application	Code written by developer
180	README.md	GitHub file	File that consists of GitHub repository description	Written by developer
181	register.php	Application file	File that consists of HTML code required to display the Register page of the web application	Code written by developer
182	results.php	Application file	File that consists of HTML code required to display the Results page of the web application	Code written by developer
183	sign-out.php	Application file	File that consists of code which signs the user out of the system	Code written by developer
184	sign-out-inactive.php	Application file	File that consists of PHP code which signs a user out of the system when they have been inactive for 15 minutes	Code written by developer
185	test.php	Application file	File that consists of test code and is used as a dummy file to test various aspects of the system	Code written by developer
186	timetable.php	Application file	File that consists of HTML code required to display the Timetable page of the web application	Code written by developer
187	transport.php	Application file	File that consists of HTML code required to display the Transport page of the web application	Code written by developer
188	university-map.php	Application file	File that consists of HTML code required to display the University Map	Code written by developer

ID	File name	Type	Usage	Code re-usage
			page of the web application	
189	usability-testing.php	Application file	File that consists of HTML code required to display the Usability testing page of the web application	Code written by developer
190	user-manual.php	Application file	File that consists of HTML code required to display the User Manual page of the web application	Code written by developer







2. Code comparison

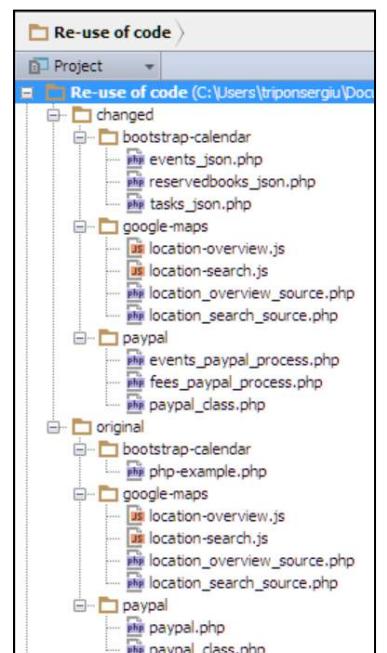
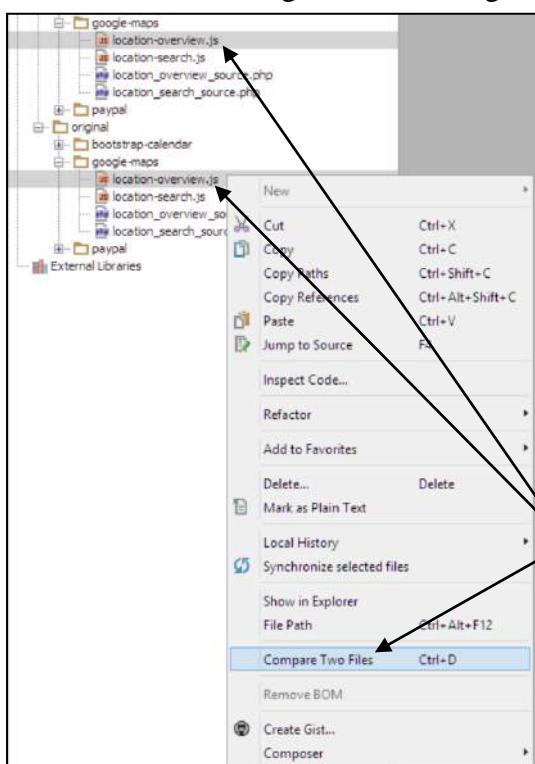
In the first chapter, code re-use was specified for each file within the web application folder. There are three types of code re-use: Code written by the developer (Sergiu Tripon), Code written by the developer (Sergiu Tripon) and the third party and code written by the developer. In this chapter, the specific files which consist of code written by both the developer and a third party will be analysed.

The original and changed file versions will be compared line by line. The files which consist of code written by the developer do not need to go through this analysis due to the fact that they only had one contributor. In addition to that, the files which consist of code written only by a third party will not be analysed in this chapter either. Instead, references from where the files and code within them was acquired will be provided in the References chapter of this document (Chapter 3).

2.1. Code comparison process

The Code comparison process consisted of comparing the original files which contain code written by the third party only and the files which were acquired from the third party and changed in order to fit the context through code additions by the developer (Sergiu Tripon). This was achieved by creating a separate project with the PhpStorm IDE alongside the main application project which would consist of two folders: original and changed. Each folder would then consist of a

number of sub-folder labelled by the resource name or integration. Further, PhpStorm allowed the developer to select two file, one from the “original” folder and one from the “changed” folder and compare them by click on the “Compare Two Files” facility. This displays the code found within both files side by side, and indicates using colour coordination which snippets of code have been deleted, changed or inserted in comparison to the original file. Below, the explanation above is represented through a number of screenshots and further explanations.



Folder structure of the Code comparison project

Visual representation of the code comparison process. The developer would select the changed file first, while selecting the original file second. The developer would then go onto right clicking on the latter (the original file) while the two files are still selected, and then selecting Compare Two Files. This creates a side by side code comparison of the two files. This process can be seen below where all third party files changed by the developer are going through the code comparison process.

```

1601  /* No More Responsive Table */
1602  @media only screen and (max-width: 992px) {
1603
1604    /* Force table to not be like tables anymore */
1605    #no-more-tables table,
1606    #no-more-tables thead,
1607    #no-more-tables tbody,
1608    #no-more-tables th,
1609    #no-more-tables td,
1610    #no-more-tables tr {
1611      display: block;
1612    }
1613
1614    /* Hide table headers (but not display: none; for accessibility) */
1615    #no-more-tables table {
1616      border-collapse: collapse;
1617      border-top: 2px solid #5D5D5D !important;
1618      border-right: 2px solid #5D5D5D !important;
1619      border-left: 2px solid #5D5D5D !important;
1620    }
1621
1622    #no-more-tables thead tr {
1623      position: absolute;
1624      top: -9999px;
1625      left: -9999px;
1626    }
1627
1628    #no-more-tables td {
1629      /* Behave like a "row" */
1630      border: none;
1631      border-bottom: 2px solid #5D5D5D;
1632      position: relative;
1633      padding-left: 50%;
1634      white-space: nowrap;
1635      text-align:left;
1636    }
1637
1638    #no-more-tables td:before {
1639      /* Now like a table header */
1640      position: absolute;
1641      /* Top/left values mimic padding */
1642      top: 6px;
1643      left: 6px;
1644      width: 45%;
1645      padding-right: 10px;
1646      white-space: nowrap;
1647    }

```

```

1646          padding-right: 10px;
1647          white-space: nowrap;
1648          text-align:left;
1649          font-weight: 600;
1650        }
1651
1652        /* Label the data */
1653        #no-more-tables td:before {
1654          content: attr(data-title);
1655        }
1656
1657        .table-custom > thead {
1658          border: none;
1659        }
1660
1661        /* End of No More Responsive Table*/
1662

```

ID 43: The snippet on the right is the first of two pieces of code within the custom.css file (which can be accessed by following the path: /assets/css/files/custom.css) which was not written by the developer. The code flips the horizontal columns of a table vertically when website is accessed using a device with a smaller screen size such as a smart phone.

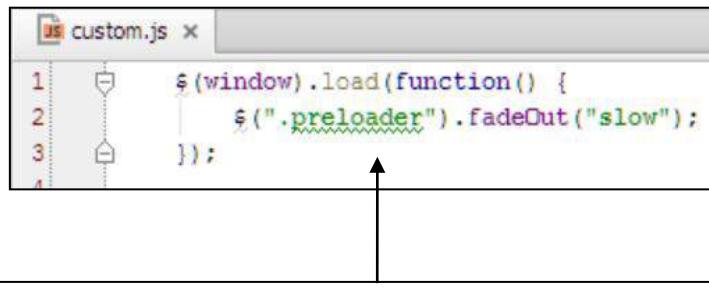
The source of the code is stated in the References chapter (Chapter 3).



```
26
27     /* Preloader */
28     .preloader {
29         position: fixed;
30         left: 0;
31         top: 0;
32         width: 100%;
33         height: 100%;
34         z-index: 9999;
35         background: url('../img/preloader/preloader.gif') 50% 50% no-repeat rgb(249,249,249);
36     }
37     /* End of Preloader */
```

ID44: The snippet above is the second of two pieces of code within the custom.css file (which can be accessed by following the path: /assets/css/files/custom.css) which was not written by the developer. The code styles the layout of the preloader GIF spinning vinyl image which appears during each page refresh and after specific click events such deactivating/reactivating records.

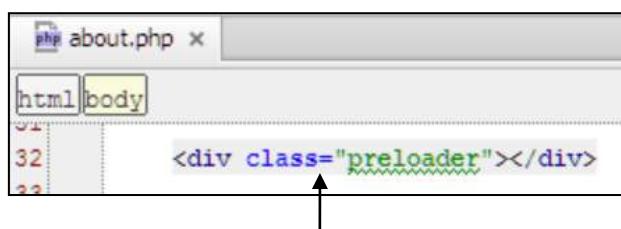
The source of the code is stated in the References chapter (Chapter 3).



```
1 $(window).load(function() {
2     $(".preloader").fadeOut("slow");
3 });
4
```

ID80: The snippet above is the only piece of code within the custom.js file (which can be accessed by following the path: /assets/css/files/custom.css) which was not written by the developer. The code triggers a FadeOut event once the load function of a page is completed in order to hide the preloader GIF spinning vinyl image.

The source of the code is stated in the References chapter (Chapter 3).



```
html body
31
32     <div class="preloader"></div>
33
```

The snippet above displays the preloader which is styled using the CSS code snippet at the top of this page. The CSS class “preloader” of this code is hidden (FadeOut function”) by the JavaScript snippet in the middle of this page. This code snippet is present in every page in order to create the loading effect on each page load or refresh.

```
locked-out.php x
html body#page-top script
140 $(document).ready(function() {
141     // Create two variable with the names of the months and days in an array
142     var monthNames = [ "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct", "Nov", "Dec" ];
143     var dayNames= ["Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat"];
144
145     // Create a newDate() object
146     var newDate = new Date();
147     // Extract the current date from Date object
148     newDate.setDate(newDate.getDate());
149     // Output the day, date, month and year
150     $('#showdate').html(dayNames[newDate.getDay()] + " " + newDate.getDate() + ' ' + monthNames[newDate.getMonth()] + ' ' + newDate.getFullYear());
151
152     setInterval( function() {
153         // Create a newDate() object and extract the seconds of the current time on the visitor's
154         var seconds = new Date().getSeconds();
155         // Add a leading zero to seconds value
156         $('#sec').html(( seconds < 10 ? "0" : "" ) + seconds);
157     });
158
159     setInterval( function() {
160         // Create a newDate() object and extract the minutes of the current time on the visitor's
161         var minutes = new Date().getMinutes();
162         // Add a leading zero to the minutes value
163         $('#min').html(( minutes < 10 ? "0" : "" ) + minutes);
164     });
165
166     setInterval( function() {
167         // Create a newDate() object and extract the hours of the current time on the visitor's
168         var hours = new Date().getHours();
169         // Add a leading zero to the hours value
170         $('#hours').html(( hours < 10 ? "0" : "" ) + hours);
171     });
172 }
```

ID80: The snippet above is the only piece of code within the locked-out.php file (which can be accessed by following the path: /locked-out.php) which was not written by the developer. The code creates a live digital clock.

The source of the code is stated in the References chapter (Chapter 3).

ID88: location-overview.js (changed file - left) vs.
location-overview.js (corresponding original file - right)

```

location-overview.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-overview.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)
location-overview.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
var customIcons = {
  'building': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/building_icon.png'
  },
  'student centre': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/student_centre.ico'
  },
  'lecture theatre': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/lecture_theatre_ic'
  },
  'computer lab': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/computer_lab_icon.'
  },
  'library': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/library_icon.png'
  },
  'cycle hire': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/cycle_hire_icon.pn'
  },
  'cycle parking': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/cycle_parking_icon.'
  },
  'atm': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/atm_icon.png'
  }
};

var markerGroups = {
  "building": [],
  "student centre": [],
  "lecture theatre": [],
  "computer lab": [],
  "library": [],
  "cycle hire": [],
  "cycle parking": [],
  "atm": []
};

function showCurrentLocation(currentLocationDiv, map) {
  currentLocationDiv.style.marginTop = '5px';
  var currentLocationUI = document.createElement('div');
  currentLocationUI.style.backgroundColor = '#4582EC';
  currentLocationUI.style.borderRadius = '3px';
  currentLocationUI.style.boxShadow = '0 2px 6px rgba(0,0,0,.3)';
  currentLocationUI.style.cursor = 'pointer';
  currentLocationUI.style.marginBottom = '22px';
}

location-overview.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)
<< 1 var customIcons = {
<< 2   restaurant: {
<< 3     icon: 'http://labs.google.com/ridefinder/images/mm_20_blue.png'
<< 4   },
<< 5   bar: {
<< 6     icon: 'http://labs.google.com/ridefinder/images/mm_20_red.png'
<< 7   }
<< 8 };
<< 9
<< 10 function load() {
<< 11   var map = new google.maps.Map(document.getElementById("map"), {
<< 12     center: new google.maps.LatLng(47.6145, -122.3418),
<< 13     zoom: 13,
<< 14     mapTypeId: 'roadmap'
<< 15   });
<< 16   var infoWindow = new google.maps.InfoWindow;
<< 17
<< 18   // Change this depending on the name of your PHP file
<< 19   downloadUrl("phpsqlajax_genxml.php", function(data) {
<< 20     var xml = data.responseXML;
<< 21     var markers = xml.documentElement.getElementsByTagName("marker");
<< 22     for (var i = 0; i < markers.length; i++) {
<< 23       var name = markers[i].getAttribute("name");
<< 24       var address = markers[i].getAttribute("address");
<< 25       var type = markers[i].getAttribute("type");
<< 26       var point = new google.maps.LatLng(
<< 27         parseFloat(markers[i].getAttribute("lat")),
<< 28         parseFloat(markers[i].getAttribute("lng")));
<< 29       var html = "<b>" + name + "</b> <br/>" + address;
<< 30       var icon = customIcons[type] || {};
<< 31       var marker = new google.maps.Marker({
<< 32         map: map,
<< 33         position: point,
<< 34         icon: icon.icon
<< 35       });
<< 36       bindInfoWindow(marker, map, infoWindow, html);
<< 37     }
<< 38   });
<< 39 }
<< 40
<< 41 function bindInfoWindow(marker, map, infoWindow, html) {
<< 42   google.maps.event.addListener(marker, 'click', function() {
<< 43     infoWindow.setContent(html);
<< 44     infoWindow.open(map, marker);
<< 45   });
<< 46 }
<< 47
<< 48 function downloadUrl(url, callback) {

```

40 differences

Deleted Changed Inserted

location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```
47 1 << var customIcons = {
48 2 <<   restaurant: {
49 3 <<     icon: 'http://labs.google.com/ridefinder/images/mm_20_blue.png'
50 4 <<   },
51 5 <<   bar: {
52 6 <<     icon: 'http://labs.google.com/ridefinder/images/mm_20_red.png'
53 7 <<   }
54 8 >> );
55
56 9
57 10 << function load() {
58 11   var map = new google.maps.Map(document.getElementById("map"), {
59 12 <<     center: new google.maps.LatLng(47.6145, -122.3418),
60 13 <<     zoom: 13,
61 14 <<     mapTypeId: 'roadmap'
62 15   });
63 16 <<   var infoWindow = new google.maps.InfoWindow();
64
65 17 // Change this depending on the name of your PHP file
66 18 << downloadUrl("phpsqlajax_genxml.php", function(data) {
67 19 <<   var xml = data.responseXML;
68 20 <<   var markers = xml.documentElement.getElementsByTagName("marker");
69 21 <<   for (var i = 0; i < markers.length; i++) {
70 22 <<     var name = markers[i].getAttribute("name");
71 23 <<     var address = markers[i].getAttribute("address");
72 24 <<     var type = markers[i].getAttribute("type");
73 25 <<     var point = new google.maps.LatLng(
74 26 <<       parseFloat(markers[i].getAttribute("lat")),
75 27 <<       parseFloat(markers[i].getAttribute("lng")));
76 28 <<     var html = "<b>" + name + "</b> <br/>" + address;
77 29 <<     var icon = customIcons[type] || {};
78 30 <<     var marker = new google.maps.Marker({
79 31 <<       map: map,
80 32 <<       position: point,
81 33 <<       icon: icon.icon
82 34 <<     });
83 35 <<     bindInfoWindow(marker, map, infoWindow, html);
84 36 <<   }
85 37 << }
86 38 << });
87 39 <> )
88
89 40
90 41 << function bindInfoWindow(marker, map, infoWindow, html) {
91 42   google.maps.event.addListener(marker, 'click', function() {
92 43     infoWindow.setContent(html);
93 44     infoWindow.open(map, marker);
94   });
95
96 45 <> )
97
98 46 >> )
99
100 << function downloadUrl(url, callback) {
```

location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```
location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
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location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
1 << var customIcons = {
2   <<   restaurant: {
3     <<     icon: 'http://labs.google.com/ridefinder/images/mm_20_blue.png'
4   },
5   <<   bar: {
6     <<     icon: 'http://labs.google.com/ridefinder/images/mm_20_red.png'
7   }
8 };

9
10 << function load() {
11   var map = new google.maps.Map(document.getElementById("map"), {
12     center: new google.maps.LatLng(47.6145, -122.3418),
13     zoom: 13,
14     mapTypeId: 'roadmap'
15   });
16   var infoWindow = new google.maps.InfoWindow;

17
18   // Change this depending on the name of your PHP file
19   downloadUrl("phpsqlajax_genxml.php", function(data) {
20     var xml = data.responseXML;
21     var markers = xml.documentElement.getElementsByTagName("marker");
22     for (var i = 0; i < markers.length; i++) {
23       var name = markers[i].getAttribute("name");
24       var address = markers[i].getAttribute("address");
25       var type = markers[i].getAttribute("type");
26       var point = new google.maps.LatLng(
27         parseFloat(markers[i].getAttribute("lat")),
28         parseFloat(markers[i].getAttribute("lng")));
29       var html = "<b>" + name + "</b> <br/>" + address;
30       var icon = customIcons[type] || {};
31       var marker = new google.maps.Marker({
32         map: map,
33         position: point,
34         icon: icon.icon
35       });
36       bindInfoWindow(marker, map, infoWindow, html);
37     }
38   });
39 }

40
41 << function bindInfoWindow(marker, map, infoWindow, html) {
42   google.maps.event.addListener(marker, 'click', function() {
43     infoWindow.setContent(html);
44     infoWindow.open(map, marker);
45   });
46 }

47 << function downloadUrl(url, callback) {
```

40 differences

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location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
    map.setCenter(options.position);
} else {
    map.setCenter(options.position);
    marker.setPosition(options.position);
}
};

function loadMap() {
var map = new google.maps.Map(document.getElementById("map"), {
    center: new google.maps.LatLng(51.527287, -0.103842),
    zoom: 15,
    mapTypeId: 'roadmap',
    mapTypeControlOptions: {style: google.maps.MapTypeControlStyle.DROPDOWN_MENU}
});

var currentLocationDiv = document.createElement('div');
var currentLocation = new ShowCurrentLocation(currentLocationDiv, map);
map.controls[google.maps.ControlPosition.TOP_CENTER].push(currentLocationDiv);

downloadUrl("../includes/university-map/source/location_overview_source.php", function(data) {
    var xml = data.responseXML;
    var markers = xml.documentElement.getElementsByTagName("marker");
    for (var i = 0; i < markers.length; i++) {
        var name = markers[i].getAttribute("name");
        var notes = markers[i].getAttribute("notes");
        var category = markers[i].getAttribute("category");
        var point = new google.maps.LatLng(
            parseFloat(markers[i].getAttribute("lat")),
            parseFloat(markers[i].getAttribute("lng")));
        var marker = createMarker(point, name, notes, category, map);
    }
});

var infoWindow = new google.maps.InfoWindow({
    maxWidth: 400
});

function createMarker(point, name, notes, category, map) {
    var icon = customIcons[category] || {};
    var marker = new google.maps.Marker({
        map: map,
        position: point,
        icon: icon.icon,
    });
}

location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
1 << var customIcons = {
2 <<     restaurant: {
3 <<         icon: 'http://labs.google.com/ridefinder/images/mm_20_blue.png'
4 <<     },
5 <<     bar: {
6 <<         icon: 'http://labs.google.com/ridefinder/images/mm_20_red.png'
7 <<     }
8 >> };
9
10 << function load() {
11     var map = new google.maps.Map(document.getElementById("map"), {
12         center: new google.maps.LatLng(47.6145, -122.3418),
13         zoom: 13,
14         mapTypeId: 'roadmap'
15     });
16     var infoWindow = new google.maps.InfoWindow();
17
18     // Change this depending on the name of your PHP file
19     downloadUrl("phpsqlajax_genxml.php", function(data) {
20         var xml = data.responseXML;
21         var markers = xml.documentElement.getElementsByTagName("marker");
22         for (var i = 0; i < markers.length; i++) {
23             var name = markers[i].getAttribute("name");
24             var address = markers[i].getAttribute("address");
25             var type = markers[i].getAttribute("type");
26             var point = new google.maps.LatLng(
27                 parseFloat(markers[i].getAttribute("lat")),
28                 parseFloat(markers[i].getAttribute("lng")));
29             var html = "<b>" + name + "</b> <br/>" + address;
30             var icon = customIcons[type] || {};
31             var marker = new google.maps.Marker({
32                 map: map,
33                 position: point,
34                 icon: icon.icon
35             });
36             bindInfoWindow(marker, map, infoWindow, html);
37         }
38     });
39 }
40
41 << function bindInfoWindow(marker, map, infoWindow, html) {
42     google.maps.event.addListener(marker, 'click', function() {
43         infoWindow.setContent(html);
44         infoWindow.open(map, marker);
45     });
46 }
47
48 << function downloadUrl(url, callback) {

```

40 differences

Deleted Changed Inserted

The screenshot shows a code comparison interface with two panes. The left pane displays the original code, and the right pane displays the changed code. The code is written in JavaScript and handles marker management on a map.

Original Code (Left):

```
location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
position: point,
icon: icon.icon,
type: category,
animation: google.maps.Animation.DROP
});
if (!markerGroups[cateogory]) markerGroups[cateogory] = [];
markerGroups[cateogory].push(marker);
var html = "<b>" + name + "</b> <br/>" + notes;
bindInfoWindow(marker, map, infoWindow, html);
return marker;
}

function toggleGroup(category) {
for (var i = 0; i < markerGroups[cateogory].length; i++) {
var marker = markerGroups[cateogory][i];
if (!marker.getVisible()) {
marker.setVisible(true);
} else {
marker.setVisible(false);
}
}
}

function bindInfoWindow(marker, map, infoWindow, html) {
google.maps.event.addListener(marker, 'click', function() {
infoWindow.setContent(html);
infoWindow.open(map, marker);
});
}

function downloadUrl(url, callback) {
var request = window.ActiveXObject ? new ActiveXObject('Microsoft.XMLHTTP') : new XM
request.onreadystatechange = function() {
if (request.readyState == 4) {
request.onreadystatechange = doNothing;
callback(request, request.status);
}
};

request.open('GET', url, true);
request.send(null);
}

function doNothing() {}
```

Changed Code (Right):

```
location-overview.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
for (var i = 0; i < markers.length; i++) {
var name = markers[i].getAttribute("name");
var address = markers[i].getAttribute("address");
var type = markers[i].getAttribute("type");
var point = new google.maps.LatLng(
parseFloat(markers[i].getAttribute("lat")),
parseFloat(markers[i].getAttribute("lng")));
var html = "<b>" + name + "</b> <br/>" + address;
var icon = customIcons[type] || {};
var marker = new google.maps.Marker({
map: map,
position: point,
icon: icon
});
bindInfoWindow(marker, map, infoWindow, html);
}

function bindInfoWindow(marker, map, infoWindow, html) {
google.maps.event.addListener(marker, 'click', function() {
infoWindow.setContent(html);
infoWindow.open(map, marker);
});

function downloadUrl(url, callback) {
var request = window.ActiveXObject ?
new ActiveXObject('Microsoft.XMLHTTP') :
new XMLHttpRequest;

request.onreadystatechange = function() {
if (request.readyState == 4) {
request.onreadystatechange = doNothing;
callback(request, request.status);
}
};

request.open('GET', url, true);
request.send(null);
}

function doNothing() {}
```

ID89: location-search.js (changed file - left) vs.
location-search.js (corresponding original file - right)

```

location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
var customIcons = {
  'building': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/building_icon.png'
  },
  'student centre': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/student_centre_icon.png'
  },
  'lecture theatre': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/lecture_theatre_icon.png'
  },
  'computer lab': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/computer_lab_icon.png'
  },
  'library': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/library_icon.png'
  },
  'cycle hire': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/cycle_hire_icon.png'
  },
  'cycle parking': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/cycle_parking_icon.png'
  },
  'atm': {
    icon: 'https://student-portal.co.uk/assets/img/university-map/atm_icon.png'
  }
};

var map;
var markers = [];
var infoWindow;
var locationSelect;
var type;

function showCurrentLocation(currentLocationDiv, map) {
  currentLocationDiv.style.marginTop = '5px';
  var currentLocationUI = document.createElement('div');
  currentLocationUI.style.backgroundColor = '#4582EC';
  currentLocationUI.style.borderRadius = '3px';
  currentLocationUI.style.boxShadow = '0 2px 6px rgba(0,0,0,.3)';
  currentLocationUI.style.cursor = 'pointer';
  currentLocationUI.style.marginBottom = '22px';
  currentLocationUI.style.textAlign = 'center';
  currentLocationUI.title = 'Click to show current location';
  currentLocationDiv.appendChild(currentLocationUI);
}

57 differences
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location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
1 << var map;
2 var markers = [];
3 var infoWindow;
4 var locationSelect;
5
6 << function load() {
7   <<   map = new google.maps.Map(document.getElementById("map"), {
8     <<     center: new google.maps.LatLng(40, -100),
9     <<     zoom: 4,
10    <<     mapTypeId: 'roadmap',
11    <<     mapTypeControlOptions: {style: google.maps.MapTypeControlStyle.DROPDOWN_MENU}
12   << });
13   <<   infoWindow = new google.maps.InfoWindow();
14
15   <<   locationSelect = document.getElementById("locationSelect");
16   <<   locationSelect.onchange = function() {
17     <<     var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
18     <<     if (markerNum != "none"){
19       <<       google.maps.event.trigger(markers[markerNum], 'click');
20     }
21   };
22
23
24   <<   function searchLocations() {
25     <<     var address = document.getElementById("addressInput").value;
26     <<     var geocoder = new google.maps.Geocoder();
27     <<     geocoder.geocode({address: address}, function(results, status) {
28       <<       if (status == google.maps.GeocoderStatus.OK) {
29         <<         searchLocationsNear(results[0].geometry.location);
30       } else {
31         <<         alert(address + ' not found');
32       }
33     });
34
35
36   <<   function clearLocations() {
37     <<     infoWindow.close();
38     <<     for (var i = 0; i < markers.length; i++) {
39       <<       markers[i].setMap(null);
40     }
41     <<     markers.length = 0;
42
43     <<     locationSelect.innerHTML = "";
44     <<     var option = document.createElement("option");
45     <<     option.value = "none";
46     <<     option.innerHTML = "See all results";
47     <<     locationSelect.appendChild(option);

```


location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
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function handleNoGeolocation(errorFlag) {
    var content;
    if (errorFlag) {
        content = 'Error: The Geolocation service failed.';
    } else {
        content = 'Error: Your browser doesn\'t support geolocation.';
    }
    var options = {
        map: map,
        position: new google.maps.LatLng(51.527287, -0.103842),
        content: content
    };
    if (marker == null) {
        marker = new google.maps.Marker({
            map: map,
            position: options.position,
            title: content,
            animation: google.maps.Animation.DROP
        });
        var infowindow = new google.maps.InfoWindow({
            content: content
        });
        google.maps.event.addListener(marker, 'click', function() {
            infowindow.open(map, marker);
        });
        map.setCenter(options.position);
    } else {
        map.setCenter(options.position);
        marker.setPosition(options.position);
    }
}
}

location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
1 << var map;
2 var markers = [];
3 var infoWindow;
4 var locationSelect;
5
6 << function load() {
7 <<     map = new google.maps.Map(document.getElementById("map"), {
8 <<         center: new google.maps.LatLng(40, -100),
9 <<         zoom: 4,
10 <<         mapTypeId: 'roadmap',
11 <<         mapTypeControlOptions: {style: google.maps.MapTypeControlStyle.DROPDOWN_MENU}
12 <<     });
13 <<     infoWindow = new google.maps.InfoWindow();
14
15 <<     locationSelect = document.getElementById("locationSelect");
16 <<     locationSelect.onchange = function() {
17 <<         var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
18 <<         if (markerNum != "none"){
19 <<             google.maps.event.trigger(markers[markerNum], 'click');
20 <<         }
21 <<     };
22
23
24 <<     function searchLocations() {
25 <<         var address = document.getElementById("addressInput").value;
26 <<         var geocoder = new google.maps.Geocoder();
27 <<         geocoder.geocode({address: address}, function(results, status) {
28 <<             if (status == google.maps.GeocoderStatus.OK) {
29 <<                 searchLocationsNear(results[0].geometry.location);
30 <<             } else {
31 <<                 alert(address + ' not found');
32 <<             }
33 <<         });
34 <<     }
35
36 <<     function clearLocations() {
37 <<         infoWindow.close();
38 <<         for (var i = 0; i < markers.length; i++) {
39 <<             markers[i].setMap(null);
40 <<         }
41 <<         markers.length = 0;
42 <<         locationSelect.innerHTML = "";
43 <<         var option = document.createElement("option");
44 <<         option.value = "none";
45 <<         option.innerHTML = "See all results:";
46 <<         locationSelect.appendChild(option);
47

```

57 differences

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location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
1 function loadMap() {
2     map = new google.maps.Map(document.getElementById("map"), {
3         center: new google.maps.LatLng(51.527287, -0.103842),
4         zoom: 15,
5         mapTypeId: 'roadmap',
6         mapTypeControlOptions: {style: google.maps.MapTypeControlStyle.DROPDOWN_MENU}
7     });
8
9     var currentLocationDiv = document.createElement('div');
10    var currentLocation = new showCurrentLocation(currentLocationDiv, map);
11    map.controls[google.maps.ControlPosition.TOP_CENTER].push(currentLocationDiv);
12
13    infoWindow = new google.maps.InfoWindow({
14        maxWidth: 400
15    });
16
17    locationSelect = document.getElementById("locationSelect");
18    locationSelect.onchange = function() {
19        var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
20        if (markerNum != "none") {
21            google.maps.event.trigger(markers[markerNum], 'click');
22        }
23    };
24
25    function searchLocations() {
26        var address = document.getElementById("addressInput").value;
27        if(address == '') {
28            $("label[for='addressInput']").empty().append("Please enter a location.");
29            $("label[for='addressInput']").removeClass("feedback-success");
30            $("label[for='addressInput']").addClass("feedback-danger");
31            $("#addressInput").css("cssText", "border-color: #D9534F");
32            $("#addressInput").focus();
33            return false;
34        } else {
35            $("label[for='addressInput']").empty().append("All good!");
36            $("label[for='addressInput']").removeClass("feedback-danger");
37            $("#addressInput").removeClass("input-danger");
38            $("label[for='addressInput']").addClass("feedback-success");
39            $("#addressInput").addClass("input-success");
40        }
41
42        var radius_check = $('#radiusSelect :selected').html();
43        if(radius_check == '') {
44            $("label[for='radiusSelect']").empty().append("Please select a radius.");
45            $("label[for='radiusSelect']").removeClass("feedback-success");
46        }
47    }
48
49    function clearLocations() {
50        infoWindow.close();
51        for (var i = 0; i < markers.length; i++) {
52            markers[i].setMap(null);
53        }
54        markers.length = 0;
55
56        locationSelect.innerHTML = "";
57        var option = document.createElement("option");
58        option.value = "none";
59        option.innerHTML = "See all results!";
60        locationSelect.appendChild(option);
61    }
62
63    // Additional code for locationSelect onchange event handling...
64
65    // Additional code for searchLocations function...
66
67    // Additional code for clearLocations function...
68
69    // Additional code for map controls...
70
71    // Additional code for infoWindow...
72
73    // Additional code for markers...
74
75    // Additional code for locationSelect...
76
77    // Additional code for addressInput...
78
79    // Additional code for radiusSelect...
80
81    // Additional code for clearLocations...
82
83    // Additional code for locationSelect...
84
85    // Additional code for addressInput...
86
87    // Additional code for radiusSelect...
88
89    // Additional code for clearLocations...
90
91    // Additional code for locationSelect...
92
93    // Additional code for addressInput...
94
95    // Additional code for radiusSelect...
96
97    // Additional code for clearLocations...
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99    // Additional code for locationSelect...
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57 differences

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location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)

Ignore whitespace: Do not ignore Highlight: By word

location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps)

```
$("label[for='radiusSelect']").addClass("feedback-danger");
$("[aria-owns='select2-radiusSelect-results']").removeClass("input-success");
$("[aria-owns='select2-radiusSelect-results']").addClass("input-danger");
return false;
} else {
    $("label[for='radiusSelect']").empty().append("All good!");
    $("label[for='radiusSelect']").removeClass("feedback-danger");
    $("label[for='radiusSelect']").addClass("feedback-success");
    $("[aria-owns='select2-radiusSelect-results']").removeClass("input-danger");
    $("[aria-owns='select2-radiusSelect-results']").addClass("input-success");
}

var geocoder = new google.maps.Geocoder();

geocoder.geocode({address: address}, function(results, status) {
    if (status == google.maps.GeocoderStatus.OK) {
        searchLocationsNear(results[0].geometry.location);
    } else {
        $("#error").empty().append(address + ' was not found. Please try again.');
    }
});

function clearLocations() {
    infoWindow.close();
    for (var i = 0; i < markers.length; i++) {
        markers[i].setMap(null);
    }
    markers.length = 0;
}

function searchLocationsNear(center) {
    clearLocations();

    var radius = document.getElementById('radiusSelect').value;
    var urlString = '../../../../../includes/university-map/source/location_search_source.php?lat=';

    downloadUrl(urlString, function(data) {
        var xml = parseXml(data);
        var markerNodes = xml.documentElement.getElementsByTagName("marker");
        var bounds = new google.maps.LatLngBounds();

        for (var i = 0; i < markerNodes.length; i++) {
            var name = markerNodes[i].getAttribute("name");
            var notes = markerNodes[i].getAttribute("notes");
            var category = markerNodes[i].getAttribute("category");
            var distance = parseFloat(markerNodes[i].getAttribute("distance"));
        }
    });
}
```

location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```
13 << infoWindow = new google.maps.InfoWindow();
14
15 << locationSelect = document.getElementById("locationSelect");
16 locationSelect.onchange = function() {
    var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
    if (markerNum != "none"){
        google.maps.event.trigger(markers[markerNum], 'click');
    }
}
17
18 << function searchLocations() {
19     var address = document.getElementById("addressInput").value;
20     var geocoder = new google.maps.Geocoder();
21     geocoder.geocode({address: address}, function(results, status) {
22         if (status == google.maps.GeocoderStatus.OK) {
23             searchLocationsNear(results[0].geometry.location);
24         } else {
25             alert(address + ' not found');
26         }
27     });
}
28
29 << function clearLocations() {
30     infoWindow.close();
31     for (var i = 0; i < markers.length; i++) {
32         markers[i].setMap(null);
33     }
34     markers.length = 0;
}
35
36 << locationSelect.innerHTML = "";
37 var option = document.createElement("option");
38 option.value = "none";
39 option.innerHTML = "See all results:";
40 locationSelect.appendChild(option);
41
42 << function searchLocationsNear(center) {
43     clearLocations();
44
45     var radius = document.getElementById('radiusSelect').value;
46     var urlString = 'phpsqlsearch_genxml.php?lat=' + center.lat() + '&lng=' + center.lng;
47     downloadUrl(urlString, function(data) {
48         var xml = parseXml(data);
49         var markerNodes = xml.documentElement.getElementsByTagName("marker");
50         var bounds = new google.maps.LatLngBounds();
51
52         for (var i = 0; i < markerNodes.length; i++) {
53             var name = markerNodes[i].getAttribute("name");
54             var notes = markerNodes[i].getAttribute("notes");
55             var category = markerNodes[i].getAttribute("category");
56             var distance = parseFloat(markerNodes[i].getAttribute("distance"));
57         }
58     });
}
59
```

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location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
var distance = parseFloat(markerNodes[i].getAttribute("distance"));
var latlng = new google.maps.LatLng(
    parseFloat(markerNodes[i].getAttribute("lat")),
    parseFloat(markerNodes[i].getAttribute("lng")));
createOption(name, distance, i);
createMarker(latlng, name, notes, category);
bounds.extend(latlng);
map.fitBounds(bounds);
locationSelect.style.display = "block";
$("#locationSelect").select2({placeholder: "See all results:"});
locationSelect.onchange = function() {
    var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
    google.maps.event.trigger(markers[markerNum], 'click');
};

function createMarker(latlng, name, notes, category) {
    var html = "<b>" + name + "</b> <br/>" + notes;
    var icon = customIcons[category] || {};
    var marker = new google.maps.Marker({
        map: map,
        position: latlng,
        icon: icon.icon,
        animation: google.maps.Animation.DROP
    });
    google.maps.event.addListener(marker, 'click', function() {
        infoWindow.setContent(html);
        infoWindow.open(map, marker);
    });
    markers.push(marker);
}

function createOption(name, distance, num) {
    var option = document.createElement("option");
    option.value = num;
    option.innerHTML = name + " " + "(" + distance.toFixed(1) + ")";
    locationSelect.appendChild(option);
}

function downloadUrl(url, callback) {
    var request = window.ActiveXObject ?

```

```

location-search.js (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)
var name = markerNodes[i].getAttribute("name");
var address = markerNodes[i].getAttribute("address");
var distance = parseFloat(markerNodes[i].getAttribute("distance"));
var latlng = new google.maps.LatLng(
    parseFloat(markerNodes[i].getAttribute("lat")),
    parseFloat(markerNodes[i].getAttribute("lng")));
createOption(name, distance, i);
createMarker(latlng, name, address);
bounds.extend(latlng);
map.fitBounds(bounds);
locationSelect.style.visibility = "visible";
locationSelect.onchange = function() {
    var markerNum = locationSelect.options[locationSelect.selectedIndex].value;
    google.maps.event.trigger(markers[markerNum], 'click');
};

function createMarker(latlng, name, address) {
    var html = "<b>" + name + "</b> <br/>" + address;
    var marker = new google.maps.Marker({
        map: map,
        position: latlng
    });
    google.maps.event.addListener(marker, 'click', function() {
        infoWindow.setContent(html);
        infoWindow.open(map, marker);
    });
    markers.push(marker);
}

function createOption(name, distance, num) {
    var option = document.createElement("option");
    option.value = num;
    option.innerHTML = name + " (" + distance.toFixed(1) + ")";
    locationSelect.appendChild(option);
}

function downloadUrl(url, callback) {
    var request = window.ActiveXObject :

```

57 differences

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location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
    google.maps.event.addListener(marker, 'click', function() {
        infoWindow.setContent(html);
        infoWindow.open(map, marker);
    });

    markers.push(marker);
}

function createOption(name, distance, num) {
    var option = document.createElement("option");
    option.value = num;
    option.innerHTML = name + " " + "(" + distance.toFixed(1) + ")";
    locationSelect.appendChild(option);
}

function downloadUrl(url, callback) {
    var request = window.ActiveXObject ?
        new ActiveXObject('Microsoft.XMLHTTP') :
        new XMLHttpRequest;

    request.onreadystatechange = function() {
        if (request.readyState == 4) {
            request.onreadystatechange = doNothing;
            callback(request.responseText, request.status);
        }
    };

    request.open('GET', url, true);
    request.send(null);
}

function parseXml(str) {
    if (window.ActiveXObject) {
        var doc = new ActiveXObject('Microsoft.XMLDOM');
        doc.loadXML(str);
        return doc;
    } else if (window.DOMParser) {
        return (new DOMParser).parseFromString(str, 'text/xml');
    }
}

function doNothing() {}

location-search.js (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\google-maps)
    google.maps.event.addListener(marker, 'click', function() {
        infoWindow.setContent(html);
        infoWindow.open(map, marker);
    });

    markers.push(marker);
}

function createOption(name, distance, num) {
    var option = document.createElement("option");
    option.value = num;
    option.innerHTML = name + " (" + distance.toFixed(1) + ")";
    locationSelect.appendChild(option);
}

function downloadUrl(url, callback) {
    var request = window.ActiveXObject ?
        new ActiveXObject('Microsoft.XMLHTTP') :
        new XMLHttpRequest;

    request.onreadystatechange = function() {
        if (request.readyState == 4) {
            request.onreadystatechange = doNothing;
            callback(request.responseText, request.status);
        }
    };

    request.open('GET', url, true);
    request.send(null);
}

function parseXml(str) {
    if (window.ActiveXObject) {
        var doc = new ActiveXObject('Microsoft.XMLDOM');
        doc.loadXML(str);
        return doc;
    } else if (window.DOMParser) {
        return (new DOMParser).parseFromString(str, 'text/xml');
    }
}

function doNothing() {}

```

57 differences

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ID140: location_overview_source.php (changed file - left) vs. location_overview_source.php (corresponding original file - right)

location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

LF	CRLF
<?php	1 <?php
require '../../../../../session.php';	2
// Start XML file, create parent node	3 << require("phpsqlajax_dbinfo.php");
\$dom = new DOMDocument("1.0");	4
\$node = \$dom->createElement("markers");	5 // Start XML file, create parent node
\$parnode = \$dom->appendChild(\$node);	6
// Select all the rows in the markers table	7 \$dom = new DOMDocument("1.0");
\$stmt1 = \$mysqli->query("SELECT * FROM system_map_marker WHERE 1");	8 \$node = \$dom->createElement("markers");
header("Content-type: text/xml");	9 \$parnode = \$dom->appendChild(\$node);
// Iterate through the rows, adding XML nodes for each	10
while (\$row = \$stmt1->fetch_assoc()) {	11 << // Opens a connection to a MySQL server
// ADD TO XML DOCUMENT NODE	12 \$connection=mysql_connect ('localhost', \$username, \$password);
\$node = \$dom->createElement("marker");	13 if (!connection) { die('Not connected : ' . mysql_error());}
\$newnode = \$parnode->appendChild(\$node);	14
\$newnode->setAttribute("name", \$row['marker_name']);	15 // Set the active MySQL database
\$newnode->setAttribute("notes", \$row['marker_notes']);	16 \$db_selected = mysql_select_db(\$database, \$connection);
\$newnode->setAttribute("lat", \$row['marker_lat']);	17 if (!\$db_selected) {
\$newnode->setAttribute("lng", \$row['marker_long']);	18 die ('Can\'t use db : ' . mysql_error());
\$newnode->setAttribute("category", \$row['marker_category']);	19 }
}	20
echo \$dom->saveXML();	21
	22
	23 // Select all the rows in the markers table
	24
	25 << \$query = "SELECT * FROM markers WHERE 1";
	26 \$result = mysql_query(\$query);
	27 if (!\$result) {
	28 die('Invalid query: ' . mysql_error());
	29 }
	30
	31 header("Content-type: text/xml");
	32
	33 // Iterate through the rows, adding XML nodes for each
	34
	35 << while (\$row = @mysql_fetch_assoc(\$result)){
	36 // ADD TO XML DOCUMENT NODE
	37 \$node = \$dom->createElement("marker");
	38 \$newnode = \$parnode->appendChild(\$node);
	39 << \$newnode->setAttribute("name", \$row['name']);
	40 << \$newnode->setAttribute("address", \$row['address']);
	41 << \$newnode->setAttribute("lat", \$row['lat']);
	42 << \$newnode->setAttribute("lng", \$row['lng']);
	43 << \$newnode->setAttribute("type", \$row['type']);
	44 }
	45
	46 echo \$dom->saveXML();
	47 <<

10 differences Deleted Changed Inserted

location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of co...

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location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)

```

<?php
require '../session.php';

// Start XML file, create parent node
$dom = new DOMDocument("1.0");
$node = $dom->createElement("markers");
$parentnode = $dom->appendChild($node);

// Select all the rows in the markers table
$stmt1 = $mysqli->query("SELECT * FROM system_map_marker WHERE 1");

header("Content-type: text/xml");

// Iterate through the rows, adding XML nodes for each
while ($row = $stmt1->fetch_assoc()){
    // ADD TO XML DOCUMENT NODE
    $node = $dom->createElement("marker");
    $newnode = $parentnode->appendChild($node);
    $newnode->setAttribute("name", $row['marker_name']);
    $newnode->setAttribute("notes", $row['marker_notes']);
    $newnode->setAttribute("lat", $row['marker_lat']);
    $newnode->setAttribute("lng", $row['marker_long']);
    $newnode->setAttribute("category", $row['marker_category']);
}

echo $dom->saveXML();

```

LF CRLF

location_overview_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

$dom = new DOMDocument("1.0");
$node = $dom->createElement("markers");
$parentnode = $dom->appendChild($node);

// Opens a connection to a MySQL server
$connection=mysql_connect ('localhost', $username, $password);
if (!$connection) { die('Not connected : ' . mysql_error());}

// Set the active MySQL database
$db_selected = mysql_select_db($database, $connection);
if (!$db_selected) {
    die ('Can\'t use db : ' . mysql_error());
}

// Select all the rows in the markers table
$query = "SELECT * FROM markers WHERE 1";
$result = mysql_query($query);
if (!$result) {
    die('Invalid query: ' . mysql_error());
}

header("Content-type: text/xml");

// Iterate through the rows, adding XML nodes for each
while ($row = @mysql_fetch_assoc($result)){
    // ADD TO XML DOCUMENT NODE
    $node = $dom->createElement("marker");
    $newnode = $parentnode->appendChild($node);
    $newnode->setAttribute("name", $row['name']);
    $newnode->setAttribute("address", $row['address']);
    $newnode->setAttribute("lat", $row['lat']);
    $newnode->setAttribute("lng", $row['lng']);
    $newnode->setAttribute("type", $row['type']);
}

echo $dom->saveXML();
?>

```

10 differences

Deleted | Changed | Inserted

ID141: location_search_source.php (changed file - left) vs.
location_search_source.php (corresponding original file - right)

location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

LF	CR/LF
<?php	1 <?php
require '../../../../../session.php';	2 << require("phpsqlsearch_dbinfo.php");
// Get parameters from URL	3
\$center_lat = \$_GET["lat"];	4 // Get parameters from URL
\$center_lng = \$_GET["lng"];	5 \$center_lat = \$_GET["lat"];
\$radius = \$_GET["radius"];	6 \$center_lng = \$_GET["lng"];
// Start XML file, create parent node	7 \$radius = \$_GET["radius"];
\$dom = new DOMDocument("1.0");	8
\$node = \$dom->createElement("markers");	9 // Start XML file, create parent node
\$parnode = \$dom->appendChild(\$node);	10 \$dom = new DOMDocument("1.0");
// Search the rows in the markers table	11 \$node = \$dom->createElement("markers");
\$query = sprintf("SELECT marker_name, marker_notes, marker_lat, marker_long, marker_category,	12 \$parnode = \$dom->appendChild(\$node);
\$mysqli->real_escape_string(\$center_lat),	13
\$mysqli->real_escape_string(\$center_lng),	14 << // Opens a connection to a mySQL server
\$mysqli->real_escape_string(\$center_lat),	15 \$connection=mysql_connect (localhost, \$username, \$password);
\$mysqli->real_escape_string(\$radius));	16 if (! \$connection) {
\$result = \$mysqli->query(\$query);	17 die("Not connected : " . mysql_error());
header("Content-type: text/xml");	18
// Iterate through the rows, adding XML nodes for each	19 // Set the active mySQL database
while (\$row = \$result->fetch_assoc()) {	20 \$db_selected = mysql_select_db(\$database, \$connection);
\$node = \$dom->createElement("marker");	21 if (! \$db_selected) {
\$newnode = \$parnode->appendChild(\$node);	22 die ("Can't use db : " . mysql_error());
\$newnode->setAttribute("name", \$row['marker_name']);	23
\$newnode->setAttribute("notes", \$row['marker_notes']);	24
\$newnode->setAttribute("lat", \$row['marker_lat']);	25
\$newnode->setAttribute("lng", \$row['marker_long']);	26 // Search the rows in the markers table
\$newnode->setAttribute("category", \$row['marker_category']);	27 << \$query = sprintf("SELECT address, name, lat, lng, (3959 * acos(cos(radians('s')) *
\$newnode->setAttribute("distance", \$row['distance']);	28 mysql_real_escape_string(\$center_lat),
}	29 mysql_real_escape_string(\$center_lng),
echo \$dom->saveXML();	30 mysql_real_escape_string(\$center_lat),
	31 mysql_real_escape_string(\$radius));
	32 \$result = mysql_query(\$query);
	33
	34 << \$result = mysql_query(\$query);
	35 if (! \$result) {
	36 die("Invalid query: " . mysql_error());
	37
	38
	39 header("Content-type: text/xml");
	40
	41 // Iterate through the rows, adding XML nodes for each
	42 << while (\$row = @mysql_fetch_assoc(\$result)) {
	43 << \$node = \$dom->createElement("marker");
	44 << \$newnode = \$parnode->appendChild(\$node);
	45 << \$newnode->setAttribute("name", \$row['name']);
	46 << \$newnode->setAttribute("address", \$row['address']);

18 differences Deleted Changed Inserted

location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps) vs location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

```

location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\google-maps)
LF
1 <?php
2
3 require '../session.php';
4
5 // Get parameters from URL
6 $center_lat = $_GET["lat"];
7 $center_lng = $_GET["lng"];
8 $radius = $_GET["radius"];
9
10 // Start XML file, create parent node
11 $dom = new DOMDocument("1.0");
12 $node = $dom->createElement("markers");
13 $parnode = $dom->appendChild($node);
14
15 // Search the rows in the markers table
16 $query = sprintf("SELECT marker_name, marker_notes, marker_lat, marker_long, marker_category,
17     $mysqli->real_escape_string($center_lat),
18     $mysqli->real_escape_string($center_lng),
19     $mysqli->real_escape_string($center_lat),
20     $mysqli->real_escape_string($radius));
21
22 $result = $mysqli->query($query);
23
24 header("Content-type: text/xml");
25
26 // Iterate through the rows, adding XML nodes for each
27 while ($row = $result->fetch_assoc()){
28     $node = $dom->createElement("marker");
29     $newnode = $parnode->appendChild($node);
30     $newnode->setAttribute("name", $row['marker_name']);
31     $newnode->setAttribute("notes", $row['marker_notes']);
32     $newnode->setAttribute("lat", $row['marker_lat']);
33     $newnode->setAttribute("lng", $row['marker_long']);
34     $newnode->setAttribute("category", $row['marker_category']);
35     $newnode->setAttribute("distance", $row['distance']);
36
37 echo $dom->saveXML();
38
39 header("Content-type: text/xml");
40
41 // Iterate through the rows, adding XML nodes for each
42 while ($row = $result->fetch_assoc()){
43     $node = $dom->createElement("marker");
44     $newnode = $parnode->appendChild($node);
45     $newnode->setAttribute("name", $row['name']);
46     $newnode->setAttribute("address", $row['address']);
47     $newnode->setAttribute("lat", $row['lat']);
48     $newnode->setAttribute("lng", $row['lng']);
49     $newnode->setAttribute("distance", $row['distance']);
50 }
51
52 echo $dom->saveXML();
53 ?>

```

location_search_source.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\google-maps)

LF

CRLF

13 << // Opens a connection to a mySQL server
14 \$connection=mysql_connect (localhost, \$username, \$password);
15 if (!\$connection) {
16 die("Not connected : " . mysql_error());
17 }
18 // Set the active mySQL database
19 \$db_selected = mysql_select_db(\$database, \$connection);
20 if (!\$db_selected) {
21 die ("Can't use db : " . mysql_error());
22 }
23
24 // Search the rows in the markers table
25 \$query = sprintf("SELECT address, name, lat, lng, (3959 * acos(cos(radians('8s')) * cos(radians(\$row['lat'])) * cos(radians(\$row['lng'])) * sin(radians(\$row['lat'])) * sin(radians(\$row['lng']))) AS distance
26 WHERE address != '' AND lat != '' AND lng != '' AND distance <= \$radius
27 ORDER BY distance
28 LIMIT 20");
29
30 \$result = mysql_query(\$query);
31
32 if (!\$result) {
33 die("Invalid query: " . mysql_error());
34 }
35
36 header("Content-type: text/xml");
37
38 // Iterate through the rows, adding XML nodes for each
39 while (\$row = \$result->fetch_assoc()){
40 \$node = \$dom->createElement("marker");
41 \$newnode = \$parnode->appendChild(\$node);
42 \$newnode->setAttribute("name", \$row['name']);
43 \$newnode->setAttribute("address", \$row['address']);
44 \$newnode->setAttribute("lat", \$row['lat']);
45 \$newnode->setAttribute("lng", \$row['lng']);
46 \$newnode->setAttribute("distance", \$row['distance']);
47 }
48
49 header("Content-type: text/xml");
50
51 echo \$dom->saveXML();
52
53 ?>

18 differences

Deleted Changed Inserted

**ID135: paypal_class.php (changed file - left) vs.
paypal_class.php (corresponding original file - right)**

```

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)
Ignore whitespace: Do not ignore | Highlight: By word | ? | < | > | << | >> | <<< | >>> | <<<< | >>>> | <<<<< | >>>>>
paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)
LF
1 <?php
2 /**
3 * PHP Paypal IPN Integration Class
4 * 6.25.2008 - Eric Wang, http://code.google.com/p/paypal-ipn-class-php/
5 */
6 * This file provides neat and simple method to validate the paid result with Paypal IPN.
7 * It's NOT intended to make the paypal integration "plug 'n' play".
8 * It still requires the developer to understand the paypal process and know the variables
9 * you want/need to pass to paypal to achieve what you want.
10 */
11 * @author Eric Wang <eric.wzy@gmail.com>
12 * @copyright (C) 2008 - 2009 Eric.Wang
13 */
14 /**
15 */
16 /** filename of the IPN log */
17 define('LOG_FILE', '.ipn_results.log');
18
19 define('SSL_P_URL', 'https://www.paypal.com/cgi-bin/webscr');
20 define('SSL_SAND_URL', 'https://www.sandbox.paypal.com/cgi-bin/webscr');
21
22 class paypal_class {
23
24     private $ipn_status; // holds the last status
25     public $admin_mail; // receive the ipn status report pre transaction
26     public $paypal_mail; // paypal account, if set, class need to verify rece
27     public $txnid; // array: if the txn_id array existed, class need to
28     public $ipn_log; // bool: log IPN results to text file?
29     private $ipn_response; // holds the IPN response from paypal
30     public $ipn_data = array(); // array contains the POST values for IPN
31     private $fields = array(); // array holds the fields to submit to paypal
32     private $ipn_debug; // ipn debug
33
34     // initialization constructor. Called when class is created.
35     function __construct() {
36
37         $this->ipn_status = '';
38         $this->admin_mail = null;
39         $this->paypal_mail = null;
40         $this->txnid = null;
41         $this->tax = null;
42         $this->ipn_log = true;
43         $this->ipn_response = '';
44         $this->ipn_debug = false;
45     }
46
47     /**
48      * validate_ipn - validate the IPN response from paypal
49      * @param string $response - the IPN response from paypal
50      * @return boolean - true if valid, false otherwise
51     */
52     public function validate_ipn($response) {
53
54         $xml = simplexml_load_string($response);
55
56         if ($xml->IPNResponseCode == '3') {
57             return true;
58         }
59
60         return false;
61     }
62
63     /**
64      * log_ipn - log the IPN response to a file
65      * @param string $response - the IPN response from paypal
66      */
67     public function log_ipn($response) {
68
69         $file = fopen(LOG_FILE, 'a');
70
71         if ($file) {
72             fwrite($file, $response);
73             fclose($file);
74         }
75     }
76
77     /**
78      * get_ipn_data - get the POST values for IPN
79      * @return array - the POST values for IPN
80     */
81     public function get_ipn_data() {
82
83         return $this->ipn_data;
84     }
85
86     /**
87      * set_ipn_data - set the POST values for IPN
88      * @param array $data - the POST values for IPN
89     */
90     public function set_ipn_data($data) {
91
92         $this->ipn_data = $data;
93     }
94
95     /**
96      * get_ipn_debug - get the ipn debug status
97      * @return boolean - the ipn debug status
98     */
99     public function get_ipn_debug() {
100
101        return $this->ipn_debug;
102    }
103
104    /**
105     * set_ipn_debug - set the ipn debug status
106     * @param boolean $debug - the ipn debug status
107    */
108    public function set_ipn_debug($debug) {
109
110        $this->ipn_debug = $debug;
111    }
112
113    /**
114     * get_ipn_status - get the last IPN status
115     * @return string - the last IPN status
116    */
117    public function get_ipn_status() {
118
119        return $this->ipn_status;
120    }
121
122    /**
123     * set_ipn_status - set the last IPN status
124     * @param string $status - the last IPN status
125    */
126    public function set_ipn_status($status) {
127
128        $this->ipn_status = $status;
129    }
130
131    /**
132     * get_admin_mail - get the admin mail
133     * @return string - the admin mail
134    */
135    public function get_admin_mail() {
136
137        return $this->admin_mail;
138    }
139
140    /**
141     * set_admin_mail - set the admin mail
142     * @param string $mail - the admin mail
143    */
144    public function set_admin_mail($mail) {
145
146        $this->admin_mail = $mail;
147    }
148
149    /**
150     * get_paypal_mail - get the paypal mail
151     * @return string - the paypal mail
152    */
153    public function get_paypal_mail() {
154
155        return $this->paypal_mail;
156    }
157
158    /**
159     * set_paypal_mail - set the paypal mail
160     * @param string $mail - the paypal mail
161    */
162    public function set_paypal_mail($mail) {
163
164        $this->paypal_mail = $mail;
165    }
166
167    /**
168     * get_txnid - get the txnid
169     * @return string - the txnid
170    */
171    public function get_txnid() {
172
173        return $this->txnid;
174    }
175
176    /**
177     * set_txnid - set the txnid
178     * @param string $txnid - the txnid
179    */
180    public function set_txnid($txnid) {
181
182        $this->txnid = $txnid;
183    }
184
185    /**
186     * get_tax - get the tax
187     * @return string - the tax
188    */
189    public function get_tax() {
190
191        return $this->tax;
192    }
193
194    /**
195     * set_tax - set the tax
196     * @param string $tax - the tax
197    */
198    public function set_tax($tax) {
199
200        $this->tax = $tax;
201    }
202
203    /**
204     * get_ipn_log - get the ipn log
205     * @return boolean - the ipn log
206    */
207    public function get_ipn_log() {
208
209        return $this->ipn_log;
210    }
211
212    /**
213     * set_ipn_log - set the ipn log
214     * @param boolean $log - the ipn log
215    */
216    public function set_ipn_log($log) {
217
218        $this->ipn_log = $log;
219    }
220
221    /**
222     * get_ipn_response - get the ipn response
223     * @return string - the ipn response
224    */
225    public function get_ipn_response() {
226
227        return $this->ipn_response;
228    }
229
230    /**
231     * set_ipn_response - set the ipn response
232     * @param string $response - the ipn response
233    */
234    public function set_ipn_response($response) {
235
236        $this->ipn_response = $response;
237    }
238
239    /**
240     * get_ipn_debug - get the ipn debug
241     * @return boolean - the ipn debug
242    */
243    public function get_ipn_debug() {
244
245        return $this->ipn_debug;
246    }
247
248    /**
249     * set_ipn_debug - set the ipn debug
250     * @param boolean $debug - the ipn debug
251    */
252    public function set_ipn_debug($debug) {
253
254        $this->ipn_debug = $debug;
255    }
256
257    /**
258     * get_ipn_status - get the last IPN status
259     * @return string - the last IPN status
260    */
261    public function get_ipn_status() {
262
263        return $this->ipn_status;
264    }
265
266    /**
267     * set_ipn_status - set the last IPN status
268     * @param string $status - the last IPN status
269    */
270    public function set_ipn_status($status) {
271
272        $this->ipn_status = $status;
273    }
274
275    /**
276     * get_admin_mail - get the admin mail
277     * @return string - the admin mail
278    */
279    public function get_admin_mail() {
280
281        return $this->admin_mail;
282    }
283
284    /**
285     * set_admin_mail - set the admin mail
286     * @param string $mail - the admin mail
287    */
288    public function set_admin_mail($mail) {
289
290        $this->admin_mail = $mail;
291    }
292
293    /**
294     * get_paypal_mail - get the paypal mail
295     * @return string - the paypal mail
296    */
297    public function get_paypal_mail() {
298
299        return $this->paypal_mail;
300    }
301
302    /**
303     * set_paypal_mail - set the paypal mail
304     * @param string $mail - the paypal mail
305    */
306    public function set_paypal_mail($mail) {
307
308        $this->paypal_mail = $mail;
309    }
310
311    /**
312     * get_txnid - get the txnid
313     * @return string - the txnid
314    */
315    public function get_txnid() {
316
317        return $this->txnid;
318    }
319
320    /**
321     * set_txnid - set the txnid
322     * @param string $txnid - the txnid
323    */
324    public function set_txnid($txnid) {
325
326        $this->txnid = $txnid;
327    }
328
329    /**
330     * get_tax - get the tax
331     * @return string - the tax
332    */
333    public function get_tax() {
334
335        return $this->tax;
336    }
337
338    /**
339     * set_tax - set the tax
340     * @param string $tax - the tax
341    */
342    public function set_tax($tax) {
343
344        $this->tax = $tax;
345    }
346
347    /**
348     * get_ipn_log - get the ipn log
349     * @return boolean - the ipn log
350    */
351    public function get_ipn_log() {
352
353        return $this->ipn_log;
354    }
355
356    /**
357     * set_ipn_log - set the ipn log
358     * @param boolean $log - the ipn log
359    */
360    public function set_ipn_log($log) {
361
362        $this->ipn_log = $log;
363    }
364
365    /**
366     * get_ipn_response - get the ipn response
367     * @return string - the ipn response
368    */
369    public function get_ipn_response() {
370
371        return $this->ipn_response;
372    }
373
374    /**
375     * set_ipn_response - set the ipn response
376     * @param string $response - the ipn response
377    */
378    public function set_ipn_response($response) {
379
380        $this->ipn_response = $response;
381    }
382
383    /**
384     * get_ipn_debug - get the ipn debug
385     * @return boolean - the ipn debug
386    */
387    public function get_ipn_debug() {
388
389        return $this->ipn_debug;
390    }
391
392    /**
393     * set_ipn_debug - set the ipn debug
394     * @param boolean $debug - the ipn debug
395    */
396    public function set_ipn_debug($debug) {
397
398        $this->ipn_debug = $debug;
399    }
400
401    /**
402     * get_ipn_status - get the last IPN status
403     * @return string - the last IPN status
404    */
405    public function get_ipn_status() {
406
407        return $this->ipn_status;
408    }
409
410    /**
411     * set_ipn_status - set the last IPN status
412     * @param string $status - the last IPN status
413    */
414    public function set_ipn_status($status) {
415
416        $this->ipn_status = $status;
417    }
418
419    /**
420     * get_admin_mail - get the admin mail
421     * @return string - the admin mail
422    */
423    public function get_admin_mail() {
424
425        return $this->admin_mail;
426    }
427
428    /**
429     * set_admin_mail - set the admin mail
430     * @param string $mail - the admin mail
431    */
432    public function set_admin_mail($mail) {
433
434        $this->admin_mail = $mail;
435    }
436
437    /**
438     * get_paypal_mail - get the paypal mail
439     * @return string - the paypal mail
440    */
441    public function get_paypal_mail() {
442
443        return $this->paypal_mail;
444    }
445
446    /**
447     * set_paypal_mail - set the paypal mail
448     * @param string $mail - the paypal mail
449    */
450    public function set_paypal_mail($mail) {
451
452        $this->paypal_mail = $mail;
453    }
454
455    /**
456     * get_txnid - get the txnid
457     * @return string - the txnid
458    */
459    public function get_txnid() {
460
461        return $this->txnid;
462    }
463
464    /**
465     * set_txnid - set the txnid
466     * @param string $txnid - the txnid
467    */
468    public function set_txnid($txnid) {
469
470        $this->txnid = $txnid;
471    }
472
473    /**
474     * get_tax - get the tax
475     * @return string - the tax
476    */
477    public function get_tax() {
478
479        return $this->tax;
480    }
481
482    /**
483     * set_tax - set the tax
484     * @param string $tax - the tax
485    */
486    public function set_tax($tax) {
487
488        $this->tax = $tax;
489    }
490
491    /**
492     * get_ipn_log - get the ipn log
493     * @return boolean - the ipn log
494    */
495    public function get_ipn_log() {
496
497        return $this->ipn_log;
498    }
499
500    /**
501     * set_ipn_log - set the ipn log
502     * @param boolean $log - the ipn log
503    */
504    public function set_ipn_log($log) {
505
506        $this->ipn_log = $log;
507    }
508
509    /**
510     * get_ipn_response - get the ipn response
511     * @return string - the ipn response
512    */
513    public function get_ipn_response() {
514
515        return $this->ipn_response;
516    }
517
518    /**
519     * set_ipn_response - set the ipn response
520     * @param string $response - the ipn response
521    */
522    public function set_ipn_response($response) {
523
524        $this->ipn_response = $response;
525    }
526
527    /**
528     * get_ipn_debug - get the ipn debug
529     * @return boolean - the ipn debug
530    */
531    public function get_ipn_debug() {
532
533        return $this->ipn_debug;
534    }
535
536    /**
537     * set_ipn_debug - set the ipn debug
538     * @param boolean $debug - the ipn debug
539    */
540    public function set_ipn_debug($debug) {
541
542        $this->ipn_debug = $debug;
543    }
544
545    /**
546     * get_ipn_status - get the last IPN status
547     * @return string - the last IPN status
548    */
549    public function get_ipn_status() {
550
551        return $this->ipn_status;
552    }
553
554    /**
555     * set_ipn_status - set the last IPN status
556     * @param string $status - the last IPN status
557    */
558    public function set_ipn_status($status) {
559
560        $this->ipn_status = $status;
561    }
562
563    /**
564     * get_admin_mail - get the admin mail
565     * @return string - the admin mail
566    */
567    public function get_admin_mail() {
568
569        return $this->admin_mail;
570    }
571
572    /**
573     * set_admin_mail - set the admin mail
574     * @param string $mail - the admin mail
575    */
576    public function set_admin_mail($mail) {
577
578        $this->admin_mail = $mail;
579    }
580
581    /**
582     * get_paypal_mail - get the paypal mail
583     * @return string - the paypal mail
584    */
585    public function get_paypal_mail() {
586
587        return $this->paypal_mail;
588    }
589
590    /**
591     * set_paypal_mail - set the paypal mail
592     * @param string $mail - the paypal mail
593    */
594    public function set_paypal_mail($mail) {
595
596        $this->paypal_mail = $mail;
597    }
598
599    /**
600     * get_txnid - get the txnid
601     * @return string - the txnid
602    */
603    public function get_txnid() {
604
605        return $this->txnid;
606    }
607
608    /**
609     * set_txnid - set the txnid
610     * @param string $txnid - the txnid
611    */
612    public function set_txnid($txnid) {
613
614        $this->txnid = $txnid;
615    }
616
617    /**
618     * get_tax - get the tax
619     * @return string - the tax
620    */
621    public function get_tax() {
622
623        return $this->tax;
624    }
625
626    /**
627     * set_tax - set the tax
628     * @param string $tax - the tax
629    */
630    public function set_tax($tax) {
631
632        $this->tax = $tax;
633    }
634
635    /**
636     * get_ipn_log - get the ipn log
637     * @return boolean - the ipn log
638    */
639    public function get_ipn_log() {
640
641        return $this->ipn_log;
642    }
643
644    /**
645     * set_ipn_log - set the ipn log
646     * @param boolean $log - the ipn log
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648    public function set_ipn_log($log) {
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650        $this->ipn_log = $log;
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655     * @return string - the ipn response
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657    public function get_ipn_response() {
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659        return $this->ipn_response;
660    }
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662    /**
663     * set_ipn_response - set the ipn response
664     * @param string $response - the ipn response
665    */
666    public function set_ipn_response($response) {
667
668        $this->ipn_response = $response;
669    }
670
671    /**
672     * get_ipn_debug - get the ipn debug
673     * @return boolean - the ipn debug
674    */
675    public function get_ipn_debug() {
676
677        return $this->ipn_debug;
678    }
679
680    /**
681     * set_ipn_debug - set the ipn debug
682     * @param boolean $debug - the ipn debug
683    */
684    public function set_ipn_debug($debug) {
685
686        $this->ipn_debug = $debug;
687    }
688
689    /**
690     * get_ipn_status - get the last IPN status
691     * @return string - the last IPN status
692    */
693    public function get_ipn_status() {
694
695        return $this->ipn_status;
696    }
697
698    /**
699     * set_ipn_status - set the last IPN status
700     * @param string $status - the last IPN status
701    */
702    public function set_ipn_status($status) {
703
704        $this->ipn_status = $status;
705    }
706
707    /**
708     * get_admin_mail - get the admin mail
709     * @return string - the admin mail
710    */
711    public function get_admin_mail() {
712
713        return $this->admin_mail;
714    }
715
716    /**
717     * set_admin_mail - set the admin mail
718     * @param string $mail - the admin mail
719    */
720    public function set_admin_mail($mail) {
721
722        $this->admin_mail = $mail;
723    }
724
725    /**
726     * get_paypal_mail - get the paypal mail
727     * @return string - the paypal mail
728    */
729    public function get_paypal_mail() {
730
731        return $this->paypal_mail;
732    }
733
734    /**
735     * set_paypal_mail - set the paypal mail
736     * @param string $mail - the paypal mail
737    */
738    public function set_paypal_mail($mail) {
739
740        $this->paypal_mail = $mail;
741    }
742
743    /**
744     * get_txnid - get the txnid
745     * @return string - the txnid
746    */
747    public function get_txnid() {
748
749        return $this->txnid;
750    }
751
752    /**
753     * set_txnid - set the txnid
754     * @param string $txnid - the txnid
755    */
756    public function set_txnid($txnid) {
757
758        $this->txnid = $txnid;
759    }
760
761    /**
762     * get_tax - get the tax
763     * @return string - the tax
764    */
765    public function get_tax() {
766
767        return $this->tax;
768    }
769
770    /**
771     * set_tax - set the tax
772     * @param string $tax - the tax
773    */
774    public function set_tax($tax) {
775
776        $this->tax = $tax;
777    }
778
779    /**
780     * get_ipn_log - get the ipn log
781     * @return boolean - the ipn log
782    */
783    public function get_ipn_log() {
784
785        return $this->ipn_log;
786    }
787
788    /**
789     * set_ipn_log - set the ipn log
790     * @param boolean $log - the ipn log
791    */
792    public function set_ipn_log($log) {
793
794        $this->ipn_log = $log;
795    }
796
797    /**
798     * get_ipn_response - get the ipn response
799     * @return string - the ipn response
800    */
801    public function get_ipn_response() {
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803        return $this->ipn_response;
804    }
805
806    /**
807     * set_ipn_response - set the ipn response
808     * @param string $response - the ipn response
809    */
810    public function set_ipn_response($response) {
811
812        $this->ipn_response = $response;
813    }
814
815    /**
816     * get_ipn_debug - get the ipn debug
817     * @return boolean - the ipn debug
818    */
819    public function get_ipn_debug() {
820
821        return $this->ipn_debug;
822    }
823
824    /**
825     * set_ipn_debug - set the ipn debug
826     * @param boolean $debug - the ipn debug
827    */
828    public function set_ipn_debug($debug) {
829
830        $this->ipn_debug = $debug;
831    }
832
833    /**
834     * get_ipn_status - get the last IPN status
835     * @return string - the last IPN status
836    */
837    public function get_ipn_status() {
838
839        return $this->ipn_status;
840    }
841
842    /**
843     * set_ipn_status - set the last IPN status
844     * @param string $status - the last IPN status
845    */
846    public function set_ipn_status($status) {
847
848        $this->ipn_status = $status;
849    }
850
851    /**
852     * get_admin_mail - get the admin mail
853     * @return string - the admin mail
854    */
855    public function get_admin_mail() {
856
857        return $this->admin_mail;
858    }
859
860    /**
861     * set_admin_mail - set the admin mail
862     * @param string $mail - the admin mail
863    */
864    public function set_admin_mail($mail) {
865
866        $this->admin_mail = $mail;
867    }
868
869    /**
870     * get_paypal_mail - get the paypal mail
871     * @return string - the paypal mail
872    */
873    public function get_paypal_mail() {
874
875        return $this->paypal_mail;
876    }
877
878    /**
879     * set_paypal_mail - set the paypal mail
880     * @param string $mail - the paypal mail
881    */
882    public function set_paypal_mail($mail) {
883
884        $this->paypal_mail = $mail;
885    }
886
887    /**
888     * get_txnid - get the txnid
889     * @return string - the txnid
890    */
891    public function get_txnid() {
892
893        return $this->txnid;
894    }
895
896    /**
897     * set_txnid - set the txnid
898     * @param string $txnid - the txnid
899    */
900    public function set_txnid($txnid) {
901
902        $this->txnid = $txnid;
903    }
904
905    /**
906     * get_tax - get the tax
907     * @return string - the tax
908    */
909    public function get_tax() {
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911        return $this->tax;
912    }
913
914    /**
915     * set_tax - set the tax
916     * @param string $tax - the tax
917    */
918    public function set_tax($tax) {
919
920        $this->tax = $tax;
921    }
922
923    /**
924     * get_ipn_log - get the ipn log
925     * @return boolean - the ipn log
926    */
927    public function get_ipn_log() {
928
929        return $this->ipn_log;
930    }
931
932    /**
933     * set_ipn_log - set the ipn log
934     * @param boolean $log - the ipn log
935    */
936    public function set_ipn_log($log) {
937
938        $this->ipn_log = $log;
939    }
940
941    /**
942     * get_ipn_response - get the ipn response
943     * @return string - the ipn response
944    */
945    public function get_ipn_response() {
946
947        return $this->ipn_response;
948    }
949
950    /**
951     * set_ipn_response - set the ipn response
952     * @param string $response - the ipn response
953    */
954    public function set_ipn_response($response) {
955
956        $this->ipn_response = $response;
957    }
958
959    /**
960     * get_ipn_debug - get the ipn debug
961     * @return boolean - the ipn debug
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963    public function get_ipn_debug() {
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965        return $this->ipn_debug;
966    }
967
968    /**
969     * set_ipn_debug - set the ipn debug
970     * @param boolean $debug - the ipn debug
971    */
972    public function set_ipn_debug($debug) {
973
974        $this->ipn_debug = $debug;
975    }
976
977    /**
978     * get_ipn_status - get the last IPN status
979     * @return string - the last IPN status
980    */
981    public function get_ipn_status() {
982
983        return $this->ipn_status;
984    }
985
986    /**
987     * set_ipn_status - set the last IPN status
988     * @param string $status - the last IPN status
989    */
990    public function set_ipn_status($status) {
991
992        $this->ipn_status = $status;
993    }
994
995    /**
996     * get_admin_mail - get the admin mail
997     * @return string - the admin mail
998    */
999    public function get_admin_mail() {
1000
1001        return $this->admin_mail;
1002    }
1003
1004    /**
1005     * set_admin_mail - set the admin mail
1006     * @param string $mail - the admin mail
1007    */
1008    public function set_admin_mail($mail) {
1009
1010        $this->admin_mail = $mail;
1011    }
1012
1013    /**
1014     * get_paypal_mail - get the paypal mail
1015     * @return string - the paypal mail
1016    */
1017    public function get_paypal_mail() {
1018
1019        return $this->paypal_mail;
1020    }
1021
1022    /**
1023     * set_paypal_mail - set the paypal mail
1024     * @param string $mail - the paypal mail
1025    */
1026    public function set_paypal_mail($mail) {
1027
1028        $this->paypal_mail = $mail;
1029    }
1030
1031    /**
1032     * get_txnid - get the txnid
1033     * @return string - the txnid
1034    */
1035    public function get_txnid() {
1036
1037        return $this->txnid;
1038    }
1039
1040    /**
1041     * set_txnid - set the txnid
1042     * @param string $txnid - the txnid
1043    */
1044    public function set_txnid($txnid) {
1045
1046        $this->txnid = $txnid;
1047    }
1048
1049    /**
1050     * get_tax - get the tax
1051     * @return string - the tax
1052    */
1053    public function get_tax() {
1054
1055        return $this->tax;
1056    }
1057
1058    /**
1059     * set_tax - set the tax
1060     * @param string $tax - the tax
1061    */
1062    public function set_tax($tax) {
1063
1064        $this->tax = $tax;
1065    }
1066
1067    /**
1068     * get_ipn_log - get the ipn log
1069     * @return boolean - the ipn log
1070    */
1071    public function get_ipn_log() {
1072
1073        return $this->ipn_log;
1074    }
1075
1076    /**
1077     * set_ipn_log - set the ipn log
1078     * @param boolean $log - the ipn log
1079    */
1080    public function set_ipn_log($log) {
1081
1082        $this->ipn_log = $log;
1083    }
1084
1085    /**
1086     * get_ipn_response - get the ipn response
1087     * @return string - the ipn response
1088    */
1089    public function get_ipn_response() {
1090
1091        return $this->ipn_response;
1092    }
1093
1094    /**
1095     * set_ipn_response - set the ipn response
1096     * @param string $response - the ipn response
1097    */
1098    public function set_ipn_response($response) {
1099
1100        $this->ipn_response = $response;
1101    }
1102
1103    /**
1104     * get_ipn_debug - get the ipn debug
1105     * @return boolean - the ipn debug
1106    */
1107    public function get_ipn_debug() {
1108
1109        return $this->ipn_debug;
1110    }
1111
1112    /**
1113     * set_ipn_debug - set the ipn debug
1114     * @param boolean $debug - the ipn debug
1115    */
1116    public function set_ipn_debug($debug) {
1117
1118        $this->ipn_debug = $debug;
1119    }
1120
1121    /**
1122     * get_ipn_status - get the last IPN status
1123     * @return string - the last IPN status
1124    */
1125    public function get_ipn_status() {
1126
1127        return $this->ipn_status;
1128    }
1129
1130    /**
1131     * set_ipn_status - set the last IPN status
1132     * @param string $status - the last IPN status
1133    */
1134    public function set_ipn_status($status) {
1135
1136        $this->ipn_status = $status;
1137    }
1138
1139    /**
1140     * get_admin_mail - get the admin mail
1141     * @return string - the admin mail
1142    */
1143    public function get_admin_mail() {
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1145        return $this->admin_mail;
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1148    /**
1149     * set_admin_mail - set the admin mail
1150     * @param string $mail - the admin mail
1151    */
1152    public function set_admin_mail($mail) {
1153
1154        $this->admin_mail = $mail;
1155    }
1156
1157    /**
1158     * get_paypal_mail - get the paypal mail
1159     * @return string - the paypal mail
1160    */
1161    public function get_paypal_mail() {
1162
1163        return $this->paypal_mail;
1164    }
1165
1166    /**
1167     * set_paypal_mail - set the paypal mail
1168     * @param string $mail - the paypal mail
1169    */
1170    public function set_paypal_mail($mail) {
1171
1172        $this->paypal_mail = $mail;
1173    }
1174
1175    /**
1176     * get_txnid - get the txnid
1177     * @return string - the txnid
1178    */
1179    public function get_txnid() {
1180
1181        return $this->txnid;
1182    }
1183
1184    /**
1185     * set_txnid - set the txnid
1186     * @param string $txnid - the txnid
1187    */
1188    public function set_txnid($txnid) {
1189
1190        $this->txnid = $tx
```

paypal_class.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\paypal)

Ignore whitespace: Do not ignore | Highlight: By word | LF CR LF

paypal_class.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\paypal)

```
// adds a key=>value pair to the fields array, which is what will be
// sent to paypal as POST variables.
public function add_field($field, $value) {
    $this->fields["$field"] = $value;
}

// this function actually generates an entire HTML page consisting of
// a form with hidden elements which is submitted to paypal via the
// BODY element's onLoad attribute. We do this so that you can validate
// any POST vars from your custom form before submitting to paypal. So
// basically, you'll have your own form which is submitted to your script
// to validate the data, which in turn calls this function to create
// another hidden form and submit to paypal.

// The user will briefly see a message on the screen that reads:
// "Please wait, your order is being processed..." and then immediately
// is redirected to paypal.
public function submit_paypal_post() {

    $paypal_url = ($_GET['sandbox'] == 1) ? SSL_SAND_URL : SSL_P_URL;

    echo "<html>\n";
    echo "<head>";
    echo "<meta charset=\"utf-8\">";
    echo "<meta http-equiv=\"X-UA-Compatible\" content=\"IE=edge\">";
    echo "<meta name=\"viewport\" content=\"width=device-width, initial-scale=1, minimum-scale=1, maximum-scale=1\">";
    echo "<meta name=\"description\" content=\"\">";
    echo "<meta name=\"author\" content=\"\">";

    echo "<title>Student Portal | Processing Payment...</title>\n";
    echo "<link href=\"https://fonts.googleapis.com/css?family=Open+Sans:400,600,700,800\" rel=\"stylesheet\" type=\"text/css\">";
    echo "<link href=\"https://student-portal.co.uk/assets/css/custom.min.css.php\" rel=\"stylesheet\" type=\"text/css\">";

    "</head>\n";
    echo "<body onload=\"document.forms['paypal_form'].submit();\">\n";
    echo "<div class=\"preloader\"></div>";
    echo "<div class=\"container\">\n";
    echo "<form class=\"form-custom\" method=\"post\" name=\"paypal_form\" action=\"\".&p";
    if (isset($this->paypal_mail)) echo "<input type=\"hidden\" name=\"business\" value=\"";
    foreach ($this->fields as $name => $value) {
        echo "<input type=\"hidden\" name=\"$name\" value=\"$value\" />\n";
    }
}
```

paypal_class.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\paypal)

```
// adds a key=>value pair to the fields array, which is what will be
// sent to paypal as POST variables.
public function add_field($field, $value) {
    $this->fields["$field"] = $value;
}

// this function actually generates an entire HTML page consisting of
// a form with hidden elements which is submitted to paypal via the
// BODY element's onLoad attribute. We do this so that you can validate
// any POST vars from your custom form before submitting to paypal. So
// basically, you'll have your own form which is submitted to your script
// to validate the data, which in turn calls this function to create
// another hidden form and submit to paypal.

// The user will briefly see a message on the screen that reads:
// "Please wait, your order is being processed..." and then immediately
// is redirected to paypal.
public function submit_paypal_post() {

    $paypal_url = ($_GET['sandbox'] == 1) ? SSL_SAND_URL : SSL_P_URL;
    echo "<html>\n";
    echo "<head><title>Processing Payment...</title></head>\n";
    echo "<body onLoad=\"document.forms['paypal_form'].submit();\">\n";
    echo "<center><h2>Please wait, your order is being processed and you";
    echo " will be redirected to the paypal website.</h2></center>\n";
    echo "<form method=\"post\" name=\"paypal_form\" ";
    echo "action=\"$paypal_url\">\n";
    if (isset($this->paypal_mail)) echo "<input type=\"hidden\" name=\"business\" value=\"";
    foreach ($this->fields as $name => $value) {
        echo "<input type=\"hidden\" name=\"$name\" value=\"$value\" />\n";
    }
    echo "<center><br/><br/>If you are not automatically redirected to ";
    echo "paypal within 5 seconds...<br/><br/>\n";
    echo "<input type=\"submit\" value=\"Click Here\"></center>\n";
}

/**
 * validate the IPN
 */
* @return bool IPN validation result
*/
public function validate_ipn() {
```

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

Ignore whitespace: Do not ignore Highlight: By word

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)

```
// a form with hidden elements which is submitted to paypal via the
// BODY element's onLoad attribute. We do this so that you can validate
// any POST vars from your custom form before submitting to paypal. So
// basically, you'll have your own form which is submitted to your script
// to validate the data, which in turn calls this function to create
// another hidden form and submit to paypal.

// The user will briefly see a message on the screen that reads:
// "Please wait, your order is being processed..." and then immediately
// is redirected to paypal.
public function submit_paypal_post() {

    $paypal_url = ($_GET['sandbox'] == 1) ? SSL_SAND_URL : SSL_P_URL;
    echo "<html>";
    echo "<head>";
    echo "<meta charset='utf-8'>";
    echo "<meta http-equiv='X-UA-Compatible' content='IE=edge'>";
    echo "<meta name='viewport' content='width=device-width, initial-scale=1, minimum-scale=1, maximum-scale=1'>";
    echo "<meta name='description' content='>";
    echo "<meta name='author' content='>";

    echo "<title>Student Portal | Processing Payment...</title>\n";
    echo "<link href='https://fonts.googleapis.com/css?family=Open+Sans:400,600,700,800' rel='stylesheet' type='text/css'>";
    echo "<link href='https://student-portal.co.uk/assets/css/custom.min.css.php' rel='stylesheet' type='text/css'>";

    "</head>\n";
    echo "<body onLoad='document.forms['paypal_form'].submit();'>\n";
    echo "<div class='preloader'></div>";
    echo "<div class='container'>\n";
    echo "<form class='form-custom' method='post' name='paypal_form' action='".$paypal_url."'";
    if (isset($this->paypal_mail)) echo "<input type='hidden' name='business' value='".$this->paypal_mail."'";
    foreach ($this->fields as $name => $value) {
        echo "<input type='hidden' name='".$name."' value='".$value."'/>\n";
    }
    echo "<div class='form-logo text-center'>\n";
    echo "<i class='fa fa-paypal'></i>\n";
    echo "</div>\n";
    echo "<hr>";
```

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```
// this function actually generates an entire HTML page consisting of
// a form with hidden elements which is submitted to paypal via the
// BODY element's onLoad attribute. We do this so that you can validate
// any POST vars from your custom form before submitting to paypal. So
// basically, you'll have your own form which is submitted to your script
// to validate the data, which in turn calls this function to create
// another hidden form and submit to paypal.

// The user will briefly see a message on the screen that reads:
// "Please wait, your order is being processed..." and then immediately
// is redirected to paypal.
public function submit_paypal_post() {

    $paypal_url = ($_GET['sandbox'] == 1) ? SSL_SAND_URL : SSL_P_URL;
    echo "<html>";
    echo "<head><title>Processing Payment...</title></head>\n";
    echo "<body onLoad='document.forms['paypal_form'].submit();'>\n";
    echo "<center><h2>Please wait, your order is being processed and you";
    echo "will be redirected to the paypal website.</h2></center>\n";
    echo "<form method='post' name='paypal_form'> ";
    echo "action='".$paypal_url."'";
    if (isset($this->paypal_mail)) echo "<input type='hidden' name='business' value='".$this->paypal_mail."'";
    foreach ($this->fields as $name => $value) {
        echo "<input type='hidden' name='".$name."' value='".$value."'/>\n";
    }
    echo "<center><br><br>If you are not automatically redirected to ";
    echo "paypal within 5 seconds...<br><br>\n";
    echo "<input type='submit' value='Click Here'></center>\n";
    echo "</form>\n";
    echo "</body></html>";
}

/** 
 * validate the IPN
 */
* @return bool IPN validation result
*/
public function validate_ipn() {
    $hostname = gethostbyaddr($_SERVER['REMOTE_ADDR']);
    if (!preg_match('/paypal\.com$/i', $hostname)) {
        $this->ipn_status = 'Validation post isn\'t from PayPal';
        $this->log_ipn_results(false);
        return false;
    }
}
```


paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

Ignore whitespace: Do not ignore ▾ Highlight: By word ▾

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)

```

145 // parse the paypal URL
146 $paypal_url = ($_POST['test_ipn'] == 1) ? SSL_SAND_URL : SSL_P_URL;
147 $url_parsed = parse_url($paypal_url);
148
149 // generate the post string from the _POST vars as well as load the
150 // _POST vars into an array so we can play with them from the calling
151 // script.
152 $post_string = '';
153 foreach ($_POST as $field => $value) {
154     $this->ipn_data["$field"] = $value;
155     $post_string .= $field.'='.urlencode(stripslashes($value)).'&';
156 }
157 $post_string .= "cmd=_notify-validate"; // append ipn command
158
159 // open the connection to paypal
160 if (isset($_POST['test_ipn'])) {
161     $fp = fsockopen ('ssl://www.sandbox.paypal.com', '443', $err_num, $err_str, 60
162 } else {
163     $fp = fsockopen ('ssl://www.paypal.com', '443', $err_num, $err_str, 60 );
164
165 if (!$fp) {
166     // could not open the connection. If loggin is on, the error message
167     // will be in the log.
168     $this->ipn_status = "fsockopen error no. $err_num: $err_str";
169     $this->log_ipn_results(false);
170     return false;
171 } else {
172     // Post the data back to paypal
173     fputs($fp, "POST $url_parsed[path] HTTP/1.1\r\n");
174     fputs($fp, "Host: $url_parsed[host]\r\n");
175     fputs($fp, "Content-type: application/x-www-form-urlencoded\r\n");
176     fputs($fp, "Content-length: ".strlen($post_string)."\r\n");
177     fputs($fp, "Connection: close\r\n\r\n");
178     fputs($fp, $post_string . "\r\n\r\n");
179
180     // loop through the response from the server and append to variable
181     while(!feof($fp)) {
182         $this->ipn_response .= fgets($fp, 1024);
183     }
184     fclose($fp); // close connection
185 }
186
187 // Invalid IPN transaction. Check the $ipn status and log for details.
188 if (preg_match("/^VERIFIED/", $this->ipn_response)) {
189     $this->ipn_status = "IPN VERIFIED";
190     $this->log_ipn_results(true);

```

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

113 // parse the paypal URL
114 $paypal_url = ($_POST['test_ipn'] == 1) ? SSL_SAND_URL : SSL_P_URL;
115 $url_parsed = parse_url($paypal_url);
116
117 // generate the post string from the _POST vars as well as load the
118 // _POST vars into an array so we can play with them from the calling
119 // script.
120 $post_string = '';
121 foreach ($_POST as $field => $value) {
122     $this->ipn_data["$field"] = $value;
123     $post_string .= $field.'='.urlencode(stripslashes($value)).'&';
124 }
125 $post_string .= "cmd=_notify-validate"; // append ipn command
126
127 // open the connection to paypal
128 if (isset($_POST['test_ipn'])) {
129     $fp = fsockopen ('ssl://www.sandbox.paypal.com', '443', $err_num, $err_str,
130 } else {
131     $fp = fsockopen ('ssl://www.paypal.com', '443', $err_num, $err_str, 60 );
132
133 if (!$fp) {
134     // could not open the connection. If loggin is on, the error message
135     // will be in the log.
136     $this->ipn_status = "fsockopen error no. $err_num: $err_str";
137     $this->log_ipn_results(false);
138     return false;
139 } else {
140     // Post the data back to paypal
141     fputs($fp, "POST $url_parsed[path] HTTP/1.1\r\n");
142     fputs($fp, "Host: $url_parsed[host]\r\n");
143     fputs($fp, "Content-type: application/x-www-form-urlencoded\r\n");
144     fputs($fp, "Content-length: ".strlen($post_string)."\r\n");
145     fputs($fp, "Connection: close\r\n\r\n");
146     fputs($fp, $post_string . "\r\n\r\n");
147
148     // loop through the response from the server and append to variable
149     while(!feof($fp)) {
150         $this->ipn_response .= fgets($fp, 1024);
151     }
152     fclose($fp); // close connection
153 }
154
155 // Invalid IPN transaction. Check the $ipn status and log for details.
156 if (! eregi("VERIFIED", $this->ipn_response)) {
157     $this->ipn_status = 'IPN Validation Failed';
158     $this->log_ipn_results(false);

```

50 differences

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paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

Ignore whitespace: Do not ignore ▾ Highlight: By word ▾ ? 🎯 🔍
paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)
LF
// Invalid IPN transaction. Check the $ipn status and log for details.
if (preg_match("/^VERIFIED/", $this->ipn_response)) {
    $this->ipn_status = "IPN VERIFIED";
    $this->log_ipn_results(true);
    return true;
} else {
    $this->ipn_status = "IPN Validation Failed";
    $this->log_ipn_results(false);
    return false;
}

private function log_ipn_results($success) {
    $hostname = gethostbyaddr($_SERVER['REMOTE_ADDR']);
    // Timestamp
    $text = '[' . date('m/d/Y g:i A') . '] - ';
    // Success or failure being logged?
    if ($success)
        $this->ipn_status = $text . 'SUCCESS:' . $this->ipn_status . "\n";
    else
        $this->ipn_status = $text . 'FAIL:' . $this->ipn_status . "\n";
    // Log the POST variables
    $this->ipn_status .= "[From:" . $hostname . "|" . $_SERVER['REMOTE_ADDR'] . "]IPN P
foreach ($this->ipn_data as $key => $value) {
    $this->ipn_status .= "$key=$value \n";
}
// Log the response from the paypal server
$this->ipn_status .= "IPN Response from Paypal Server:\n" . $this->ipn_response;
$this->write_to_log();
}

private function write_to_log() {
    if (! $this->ipn_log)
        return; // is logging turned off?

    // Write to log
    $fp = fopen(LOG_FILE, 'a');
    fwrite($fp, $this->ipn_status . "\n\n");
    fclose($fp); // close file
    chmod(LOG_FILE, 0600);
}

public function send_report($subject) {
    $body = '';
    $body .= "from " . $this->ipn_data['payer_email'] . " on " . date('m/d/Y');
    $body .= " at " . date('g:i A') . "\n\nDetails:\n" . $this->ipn_status;
}

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)
CRLF
// Invalid IPN transaction. Check the $ipn status and log for details.
if (! eregi("VERIFIED", $this->ipn_response)) {
    $this->ipn_status = "IPN Validation Failed";
    $this->log_ipn_results(false);
    return false;
} else {
    $this->ipn_status = "IPN VERIFIED";
    $this->log_ipn_results(true);
    return true;
}

private function log_ipn_results($success) {
    $hostname = gethostbyaddr($_SERVER['REMOTE_ADDR']);
    // Timestamp
    $text = '[' . date('m/d/Y g:i A') . '] - ';
    // Success or failure being logged?
    if ($success)
        $this->ipn_status = $text . 'SUCCESS:' . $this->ipn_status . "\n";
    else
        $this->ipn_status = $text . 'FAIL:' . $this->ipn_status . "\n";
    // Log the POST variables
    $this->ipn_status .= "[From:" . $hostname . "|" . $_SERVER['REMOTE_ADDR'] . "]IPN P
foreach ($this->ipn_data as $key => $value) {
    $this->ipn_status .= "$key=$value \n";
}
// Log the response from the paypal server
$this->ipn_status .= "IPN Response from Paypal Server:\n" . $this->ipn_response;
$this->write_to_log();
}

private function write_to_log() {
    if (! $this->ipn_log)
        return; // is logging turned off?

    // Write to log
    $fp = fopen(LOG_FILE, 'a');
    fwrite($fp, $this->ipn_status . "\n\n");
    fclose($fp); // close file
    chmod(LOG_FILE, 0600);
}

public function send_report($subject) {
    $body = '';
    $body .= "from " . $this->ipn_data['payer_email'] . " on " . date('m/d/Y');
    $body .= " at " . date('g:i A') . "\n\nDetails:\n" . $this->ipn_status;
    mail($this->admin_mail, $subject, $body);
}

50 differences
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```

paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

Ignore whitespace: Do not ignore | Highlight: By word |  ?   
paypal_class.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)
LF          CRLF
public function send_report($subject) {           229          195      }
    $body = '';
    $body .= "from " . $this->ipn_data ['payer_email'] . " on " . date ('m/d/Y');
    $body .= " at " . date ('g:i A') . "\n\nDetails:\n" . $this->ipn_status;
    $headers = 'From: Student Portal <admin@student-portal.co.uk>' . "\r\n";
    mail ($this->admin_mail, $subject, $body, $headers);
}

public function print_report(){
    $find [] = "\n";
    $replace [] = '<br/>';
    $html_content = str_replace ( $find, $replace, $this->ipn_status );
    echo $html_content;
}

public function dump_fields() {
    // Used for debugging, this function will output all the field/value pairs
    // that are currently defined in the instance of the class using the
    // add_field() function.
    echo "<h3>paypal_class->dump_fields() Output:</h3>";
    echo "<table width=\"95%\" border=\"1\" cellpadding=\"2\" cellspacing=\"0\">
        <tr>
            <td bgcolor=\"black\"><b><font color=\"white\">Field Name</font></b></td>
            <td bgcolor=\"black\"><b><font color=\"white\">Value</font></b></td>
        </tr>";
    ksort($this->fields);
    foreach ($this->fields as $key => $value) {echo "<tr><td>$key</td><td>".urldecode($v
    echo "</table><br>";
}

private function debug($msg) {
    if (! $this->ipn_debug)
        return;

    $today = date ("Y-m-d H:i:s");
    $myFile = ".ipn_debugs.log";
    $fh = fopen ( $myFile, 'a' ) or die ( "Can't open debug file. Please manually create
    $ua_simple = preg_replace ( "/(.*)\$\\(.*/", "\\\\1", $_SERVER ['HTTP_USER_AGENT'] );
    fwrite ( $fh, $today . " [from: " . $_SERVER ['REMOTE_ADDR'] . "|$ua_simple] - " . $
    fclose ( $fh );
    chmod ( $myFile, 0600 );
}
}

50 differences

```

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**ID132: fees_paypal_process.php (changed file - left) vs.
paypal.php (corresponding original file - right)**

fees_paypal_process.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

<?php
include '../session.php';
include '../functions.php';
require 'paypal_class.php';

global $mysqli;

define('EMAIL_ADD', 'admin@student-portal.co.uk'); // define any notification email
define('PAYPAL_EMAIL_ADD', 'admin-facilitator@student-portal.co.uk'); // facilitator email which will receive notifications

$sp = new paypal_class(); // paypal class
$sp->admin_mail = EMAIL_ADD; // set notification email

$payment = $_REQUEST["payment"];

$cmd = '_cart';
$currency_code = 'GBP';
$invoiceid = rand(1111111111,9999999999);
$transactionid = rand(1111111111,9999999999);

$productid = filter_input(INPUT_POST, 'product_id', FILTER_SANITIZE_STRING);
$product_name = filter_input(INPUT_POST, 'product_name', FILTER_SANITIZE_STRING);
$product_quantity = filter_input(INPUT_POST, 'product_quantity', FILTER_SANITIZE_STRING);
$product_amount = filter_input(INPUT_POST, 'product_amount', FILTER_SANITIZE_STRING);
$payer_firstname = filter_input(INPUT_POST, 'payer_firstname', FILTER_SANITIZE_STRING);
$payer_surname = filter_input(INPUT_POST, 'payer_surname', FILTER_SANITIZE_STRING);
$payer_email = filter_input(INPUT_POST, 'payer_email', FILTER_SANITIZE_STRING);
$payer_phonenumber = filter_input(INPUT_POST, 'payer_phonenumber', FILTER_SANITIZE_STRING);
$payer_address1 = filter_input(INPUT_POST, 'payer_address1', FILTER_SANITIZE_STRING);
$payer_address2 = filter_input(INPUT_POST, 'payer_address2', FILTER_SANITIZE_STRING);
$payer_town = filter_input(INPUT_POST, 'payer_town', FILTER_SANITIZE_STRING);
$payer_city = filter_input(INPUT_POST, 'payer_city', FILTER_SANITIZE_STRING);
$payer_country = filter_input(INPUT_POST, 'payer_country', FILTER_SANITIZE_STRING);
$payer_postcode = filter_input(INPUT_POST, 'payer_postcode', FILTER_SANITIZE_STRING);

$payment_type = 'fee';
$payment_status = 'pending';

switch($payment){
    case "process": // case process insert the form data in DB and process to the paypal
        $stmt1 = $mysqli->prepare("UPDATE user_detail set address1=?, city=?, postcode=?, country=? WHERE id=?");
        $stmt1->bind_param('sssssi', $payer_address1, $payer_city, $payer_postcode, $payer_country, $user_id);
        $stmt1->execute();
        $stmt1->close();
    break;
}

if($stmt1){
    echo 'Payment Done Successfully';
}

```

paypal.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

<?php
require once("library.php"); // include the library file
define('EMAIL_ADD', 'notify@mailanydomain.com'); // define any notification email
define('PAYPAL_EMAIL_ADD', 'asif18-facilitator@gmail.com'); // facilitator email which will receive notifications

$sp = new paypal_class(); // paypal class
$sp->admin_mail = EMAIL_ADD; // set notification email
$action = $_REQUEST["action"];

switch($action){
    case "process": // case process insert the form data in DB and process to the paypal
        mysql_query("INSERT INTO `purchases` ('invoice', 'product_id', 'product_name', 'product_quantity', 'product_amount', 'payer_firstname', 'payer_surname', 'payer_email', 'payer_phonenumber', 'payer_address1', 'payer_address2', 'payer_town', 'payer_city', 'payer_country', 'payer_postcode') VALUES ('$_POST[invoice]', '$_POST[product_id]', '$_POST[product_name]', '$_POST[product_quantity]', '$_POST[product_amount]', '$_POST[payer_firstname]', '$_POST[payer_surname]', '$_POST[payer_email]', '$_POST[payer_phonenumber]', '$_POST[payer_address1]', '$_POST[payer_address2]', '$_POST[payer_town]', '$_POST[payer_city]', '$_POST[payer_country]', '$_POST[payer_postcode]')");
        $this_script = "http://$_SERVER['HTTP_HOST'].$_SERVER['PHP_SELF']";
        $sp->add_field('business', PAYPAL_EMAIL_ADD); // Call the facilitator account
        $sp->add_field('cmd', $_POST["cmd"]); // cmd should be _cart for cart checkout
        $sp->add_field('upload', '1');
        $sp->add_field('return', $this_script.'?action=success'); // return URL after the payment
        $sp->add_field('cancel_return', $this_script.'?action=cancel'); // cancel URL if the payment fails
        $sp->add_field('notify_url', $this_script.'?action=ipn'); // Notify URL which receives notifications from PayPal
        $sp->add_field('currency_code', $_POST["currency_code"]);
        $sp->add_field('invoice', $_POST["invoice"]);
        $sp->add_field('item_name1', $_POST["product_name"]);
        $sp->add_field('item_number1', $_POST["product_id"]);
        $sp->add_field('quantity1', $_POST["product_quantity"]);
        $sp->add_field('amount1', $_POST["product_amount"]);
        $sp->add_field('first name', $_POST["payer_fname"]);
        $sp->add_field('last name', $_POST["payer_lname"]);
        $sp->add_field('address1', $_POST["payer_address"]);
        $sp->add_field('city', $_POST["payer_city"]);
        $sp->add_field('state', $_POST["payer_state"]);
        $sp->add_field('country', $_POST["payer_country"]);
        $sp->add_field('zip', $_POST["payer_zip"]);
        $sp->add_field('email', $_POST["payer_email"]);
        $sp->submit_paypal_post(); // POST it to paypal
        $sp->dump_fields(); // Show the posted values for a reference, comment this line before deployment
    break;
}

case "success": // success case to show the user payment got success
    echo '<title>Payment Done Successfully</title>';
    echo '<style>.as_wrapper{';
    font-family:Arial;
    color:#333;
    font-size:14px;
    padding:20px;
    border:2px dashed #17A3F7;
    width:600px;

```

46 differences

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ID131: events_paypal_process.php (changed file - left) vs.
paypal.php (corresponding original file - right)

```

events_paypal_process.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)      paypal.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)
LF          CRLF
1 <?php                                         1 <?php
2 << require once("library.php"); // include the library file 2 << require once("library.php"); // include the library file
3 << define('EMAIL ADD', 'notifyemail@anydomain.com'); // define any notification email 3 << define('EMAIL ADD', 'notifyemail@anydomain.com'); // define any notification email
4 << define('PAYPAL EMAIL ADD', 'asif18-facilitator@gmail.com'); // facilitator email which will receive notifications 4 << define('PAYPAL EMAIL ADD', 'asif18-facilitator@gmail.com'); // facilitator email which will receive notifications
5 << require_once("paypal.class.php"); 5 << require_once("paypal.class.php");
6 << $p = new paypal_class(); // paypal class 6 << $p = new paypal_class(); // paypal class
7 << $p->admin mail = EMAIL ADD; // set notification email 7 << $p->admin mail = EMAIL ADD; // set notification email
8 << $action = $_REQUEST["action"]; 8 << $action = $_REQUEST["action"];
9 << switch($action){ 9 <<
10    case "process": // case process insert the form data in DB and process to the paypal 10    case "process": // case process insert the form data in DB and process to the paypal
11      mysql_query("INSERT INTO `purchases` ('invoice', 'product_id', `product_name`, `product_quantity`, `product_amount`, `payer_firstname`, `payer_surname`, `payer_email`, `payer_phonenumber`, `payer_address1`, `payer_address2`, `payer_town`, `payer_city`, `payer_country`, `payer_postcode`, `payment_type`, `payment_status`) VALUES ('$_POST[invoice]', '$_POST[product_id]', '$_POST[product_name]', '$_POST[product_quantity]', '$_POST[product_amount]', '$_POST[payer_firstname]', '$_POST[payer_surname]', '$_POST[payer_email]', '$_POST[payer_phonenumber]', '$_POST[payer_address1]', '$_POST[payer_address2]', '$_POST[payer_town]', '$_POST[payer_city]', '$_POST[payer_country]', '$_POST[payer_postcode]', '$_POST[payment_type]', '$_POST[payment_status]')"); 11      mysql_query("INSERT INTO `purchases` ('invoice', 'product_id', `product_name`, `product_quantity`, `product_amount`, `payer_firstname`, `payer_surname`, `payer_email`, `payer_phonenumber`, `payer_address1`, `payer_address2`, `payer_town`, `payer_city`, `payer_country`, `payer_postcode`, `payment_type`, `payment_status`) VALUES ('$_POST[invoice]', '$_POST[product_id]', '$_POST[product_name]', '$_POST[product_quantity]', '$_POST[product_amount]', '$_POST[payer_firstname]', '$_POST[payer_surname]', '$_POST[payer_email]', '$_POST[payer_phonenumber]', '$_POST[payer_address1]', '$_POST[payer_address2]', '$_POST[payer_town]', '$_POST[payer_city]', '$_POST[payer_country]', '$_POST[payer_postcode]', '$_POST[payment_type]', '$_POST[payment_status]')");
12      $this_script = 'http://'.$_SERVER['HTTP_HOST'].$_SERVER['PHP_SELF'];
13      $p->add_field('business', PAYPAL EMAIL ADD); // Call the facilitator account
14      $p->add_field('cmd', $_POST["cmd"]); // cmd should be _cart for cart checkout
15      $p->add_field('upload', '1');
16      $p->add_field('return', $this_script.'?action=success'); // return URL after the payment is successful
17      $p->add_field('cancel_return', $this_script.'?action=cancel'); // cancel URL if the payment fails
18      $p->add_field('notify_url', $this_script.'?action=ipn'); // Notify URL which receives notifications from PayPal
19      $p->add_field('currency_code', $_POST["currency_code"]);
20      $p->add_field('invoice', $_POST["invoice"]);
21      $p->add_field('item_name_1', $_POST["product_name"]);
22      $p->add_field('item_number_1', $_POST["product_id"]);
23      $p->add_field('quantity_1', $_POST["product_quantity"]);
24      $p->add_field('amount_1', $_POST["product_amount"]);
25      $p->add_field('first name', $_POST["payer_fname"]);
26      $p->add_field('last name', $_POST["payer_lname"]);
27      $p->add_field('address1', $_POST["payer_address"]);
28      $p->add_field('city', $_POST["payer_city"]);
29      $p->add_field('state', $_POST["payer_state"]);
30      $p->add_field('country', $_POST["payer_country"]);
31      $p->add_field('zip', $_POST["payer_zip"]);
32      $p->add_field('email', $_POST["payer_email"]);
33      $p->submit_paypal_post(); // POST it to paypal
34      $p->dump_fields(); // Show the posted values for a reference, comment this line before deployment
35    break;
36  case "success": // success case to show the user payment got success
37    echo '<title>Payment Done Successfully</title>';
38    echo '<style>.as_wrapper{
39      font-family:Arial;
40      color:#333;
41      font-size:14px;
42      padding:20px;
43      border:2px dashed #17A3F7;
44      width:600px;
45    </style>';
46  }

```

48 differences

Deleted (grey), Changed (blue), Inserted (green)

events_paypal_process.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)

```

events_paypal_process.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\paypal)
LF
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paypal.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\paypal)
CRLF
6
7 << $p->admin_mail = EMAIL_ADD; // set notification email
8 << $action = $_REQUEST["action"];
9
10 << switch($action){
11     case "process": // case process insert the form data in DB and process to the paypal
12         mysql_query("INSERT INTO `purchases` ( `invoice` , `product_id` , `product_name` , `p
13         $this_script = 'http://'. $_SERVER['HTTP_HOST']. $_SERVER['PHP_SELF'];
14
15 << $p->add_field('business', PAYPAL_EMAIL_ADD); // Call the facilitator eaccount
16 << $p->add_field('cmd', &cmd); // cmd should be _cart for cart checkout
17 << $p->add_field('upload', '1');
18 << $p->add_field('return', $this_script.'?payment-success'); // return URL after the tr
19 << $p->add_field('cancel_return', $this_script.'?payment-cancel'); // cancel URL if the
20 << $p->add_field('notify_url', $this_script.'?payment-ipn'); // Notify URL which receiv
21 << $p->add_field('currency_code', &currency_code);
22 << $p->add_field('invoice', &invoiceid);
23 << $p->add_field('item_name_1', &product_name);
24 << $p->add_field('item_number_1', &productid);
25 << $p->add_field('quantity_1', &product_quantity);
26 << $p->add_field('amount_1', &product_amount);
27 << $p->add_field('first_name', &payer_firstname);
28 << $p->add_field('last_name', &payer_surname);
29 << $p->add_field('email', &payer_email);
30 << $p->add_field('night_phone_b', &payer_phonenumber);
31 << $p->add_field('address1', &payer_address1);
32 << $p->add_field('city', &payer_city);
33 << $p->add_field('country', &payer_country);
34 << $p->add_field('zip', &payer_postcode);
35 << $p->submit_paypal_post(); // POST it to paypal
36 << // $p->dump_fields(); // Show the posted values for a reference, comment this line be
37 << break;
38
39 << case "success": // success case to show the user payment got success
40
41
42
43
44
45
46
47
48
49
50
51
52

```

48 differences

Deleted Changed Inserted

events_paypal_process.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\paypal) vs paypal.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\paypal)

Ignore whitespace: Do not ignore ▾ Highlight: By word ▾

events_paypal_process.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\changed\paypal)

paypal.php (C:\Users\trionsergiu\Documents\GitHub\Re-use of code\original\paypal)

LF CR LF

```
$p->add_field('last_name', $payer_surname);
$p->add_field('email', $payer_email);
$p->add_field('night_phone_b', $payer_phonenumber);
$p->add_field('address1', $payer_address1);
$p->add_field('city', $payer_city);
$p->add_field('country', $payer_country);
$p->add_field('zip', $payer_postcode);
$p->submit_paypal_post(); // POST it to paypal
// $p->dump_fields(); // Show the posted values for a reference, comment this line before break;
break;

case "success": // success case to show the user payment got success
    include_once 'paypal-success.php';
    break;

case "cancel": // case cancel to show user the transaction was cancelled
    PaypalPaymentCancel();
    include_once 'paypal-cancel.php';
    break;

case "ipn": // IPN case to receive payment information. this case will not displayed in if ($p->validate_ipn()) { // validate the IPN, do the others stuffs here as per your app
    EventsPaypalPaymentSuccess();

    $subject = 'Instant Payment Notification - Received Payment';
    $p->send_report($subject); // Send the notification about the transaction
} else {
    $subject = 'Instant Payment Notification - Payment Fail';
    $p->send_report($subject); // failed notification
}
break;
}



padding:20px;
border:2px dashed #17A3F7;
width:600px;
margin:0 auto;
}
"; echo '<div class="as_wrapper">';
echo '<h1>Payment Transaction Done Successfully</h1>';
echo '<h4>Use this below URL in paypal sandbox IPN Handler URL to complete the transaction</h4>';
echo '<h3>http://'.$_SERVER['HTTP_HOST'].$_SERVER['PHP_SELF'].'?action=ipn</h3>';
echo '</div>';
break;

case "cancel": // case cancel to show user the transaction was cancelled
echo "<h1>Transaction Cancelled</h1>";
break;

case "ipn": // IPN case to receive payment information. this case will not displayed in
$trasaction_id = $_POST["txnid"];
$payment_status = strtoupper($_POST["payment_status"]);
$invoice     = $_POST["invoice"];
$log_array   = print_r($_POST, TRUE);
$log_query   = "SELECT * FROM `paypal_log` WHERE `txnid` = '$trasaction_id'";
$log_check   = mysql_query($log_query);
if(mysql_num_rows($log_check) < 0){
    mysql_query("INSERT INTO `paypal_log` ('txnid', 'log', 'posted_date') VALUES
} else{
    mysql_query("UPDATE `paypal_log` SET `log` = '$log_array' WHERE `txnid` = '$trasaction_id'");
} // Save and update the logs array
$paypal_log_fetch = mysql_fetch_array(mysql_query($log_query));
$paypal_log_id   = $paypal_log_fetch["id"];
if ($p->validate_ipn()) { // validate the IPN, do the others stuffs here as per your app
    mysql_query("UPDATE `purchases` SET `trasaction_id` = '$trasaction_id', `log` = '$log_array', `posted_date` = now() WHERE `id` = '$paypal_log_id'");
    $subject = 'Instant Payment Notification - Received Payment';
    $p->send_report($subject); // Send the notification about the transaction
} else{
    $subject = 'Instant Payment Notification - Payment Fail';
    $p->send_report($subject); // failed notification
}
break;
}

?>


```

ID125: events_json.php (changed file - left) vs.
php-example.php (corresponding original file - right)

```

events_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar) vs php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-calendar)
LF          LF
1  <?php           1  <?php
2  include '../session.php';   2  <> $db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8', 'username', 'password'
3  header("Cache-Control: no-cache, must-revalidate");   3  $start = $_REQUEST['from'] / 1000;
4  $sql = 'SELECT eventid, event_name, event_url, event_class, event_from, event_to FROM system_  4  $end = $_REQUEST['to'] / 1000;
5  $res = $pdo->query($sql);   5  $sql = sprintf('SELECT * FROM events WHERE `datetime` BETWEEN %s AND %s',
6  $res->setFetchMode(PDO::FETCH_OBJ);   6  $db->quote(date('Y-m-d', $start)), $db->quote(date('Y-m-d', $end)));
7  $out = array();   7
8  foreach($res as $row) {   8  $out = array();
9  {
10    $out[] = array(   9  <> foreach($db->query($sql) as $row) {
11      'id' => $row->eventid,   10    $out[] = array(
12      'title' => $row->event_name,   11      'id' => $row->id,
13      'url' => $row->event_url,   12      'title' => $row->name,
14      'class' => $row->event_class,   13      'url' => Helper::url($row->id),
15      'start' => strtotime($row->event_from) . '000',   14      'start' => strtotime($row->datetime) . '000',
16      'end' => strtotime($row->event_to) . '000'   15      'end' => strtotime($row->datetime_end) . '000'
17    );
18  }
19  echo json_encode(array('success' => 1, 'result' => $out));
20 exit;
21
22
23
24
25
26

```

9 differences

Deleted Changed Inserted

ID126: reservedbooks_json.php (changed file - left) vs.
php-example.php (corresponding original file - right)

reservedbooks_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar) vs php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-calendar)

```

LF          CRLF
1 <?php           1 <?php
2 <> $db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8', 'username', 'password'
3 <> $start = $_REQUEST['from'] / 1000;
4 <> $end = $_REQUEST['to'] / 1000;
5 <> $sql = sprintf('SELECT * FROM events WHERE `datetime` BETWEEN %s AND %s',
6 <>             $db->quote(date('Y-m-d', $start)), $db->quote(date('Y-m-d', $end)));
7
8 $out = array();
9 <> foreach($db->query($sql) as $row) {
10    $out[] = array(
11        'id' => $row->id,
12        'title' => $row->name,
13        'url' => Helper::url($row->id),
14        'start' => strtotime($row->created_on) . '000',
15        'end' => strtotime($row->toreturn_on) . '000'
16    );
17 }
18
19 echo json_encode(array('success' => 1, 'result' => $out));
20 <> exit;
21
22
23
24
25

```

9 differences

Deleted Changed Inserted

ID127: tasks_json.php (changed file - left) vs.
php-example.php (corresponding original file - right)

```

tasks_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar) vs php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-...

```

tasks_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar)

```

1 <?php
2 include '../session.php';
3
4 header("Cache-Control: no-cache, must-revalidate");
5
6 $sql = "SELECT t.taskid, t.task_name, t.task_class, t.task_startdate, t.task_duedate
7 FROM user_task t
8 WHERE t.userid = '".$_SESSION['userid']."' AND t.task_status = "active"
9 UNION ALL
10
11 SELECT b.bookid, b.book_name, l.book_class, l.created_on, l.toreturn_on
12 FROM system_book_loaned l
13 JOIN system_book b ON l.bookid = b.bookid
14 WHERE l.userid = '".$_SESSION['userid']."' AND l.isReturned="0" AND l.loan_status = "ongoing" AND
15 UNION ALL
16
17 SELECT e.eventid, e.event_name, b.event_class, e.event_from, e.event_to
18 FROM system_event_booked b
19 JOIN system_event e ON b.eventid = e.eventid
20 WHERE b.userid = '".$_SESSION['userid']."' AND e.event_status = "active" AND DATE(e.event_to) > D
21
22 $res = $pdo->query($sql);
23 $res->setFetchMode(PDO::FETCH_OBJ);
24
25
26
27
28
29
30
31
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33
34
35
36
37
38
39
40
41
42
43
44
45
46

```

php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-calendar)

```

1 <?php
2
3 $db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8', 'username', 'password');
4 $start = $_REQUEST['from'] / 1000;
5 $end = $_REQUEST['to'] / 1000;
6
7 $sql = sprintf('SELECT * FROM events WHERE `datetime` BETWEEN %s AND %s',
8 $db->quote(date('Y-m-d', $start)), $db->quote(date('Y-m-d', $end)));
9
10
11
12
13
14
15
16
17
18
19 echo json_encode(array('success' => 1, 'result' => $out));
20
21
22
23
24
25
26
27
28
29
30
31
32
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34
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36
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```

10 differences

Deleted Changed Inserted

tasks_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar) vs php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-calendar)

```

tasks_json.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\changed\bootstrap-calendar)
LF
1 JOIN system_event e ON b.eventid = e.eventid
2 WHERE b.userid = "'.$session_userid.'" AND e.event_status = "active" AND DATE(e.event_to) > DATE(NOW())
3
4 $res = $pdo->query($sql);
5 $res->setFetchMode(PDO::FETCH_OBJ);
6
7 $out = array();
8 foreach($res as $row) {
9
10 if ($row->task_class === 'event-info') {
11     $pretitle = 'Task: ';
12 }
13
14 if ($row->task_class === 'event-important') {
15     $pretitle = 'Event: ';
16 }
17
18 if ($row->task_class === 'event-success') {
19     $pretitle = 'Book: ';
20 }
21
22 $taskid = $row->taskid;
23 $task_name = $pretitle . $row->task_name;
24 $task_url = $row->task_url;
25 $task_class = $row->task_class;
26 $task_startdate = $row->task_startdate;
27 $task_duedate = $row->task_duedate;
28
29 $out[] = array(
30     'id' => $taskid,
31     'title' => $task_name,
32     'url' => $task_url,
33     'class' => $task_class,
34     'start' => strtotime($task_startdate) . '000',
35     'end' => strtotime($task_duedate) . '000'
36 );
37
38 echo json_encode(array('success' => 1, 'result' => $out));
39 exit;
40
41
42
43
44
45
46
47
48
49
50
51
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53
54
55
56
57
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59
60
61

```

php-example.php (C:\Users\triponsergiu\Documents\GitHub\Re-use of code\original\bootstrap-calendar)
CRLF

```

1 <?php
2 << $db = new PDO('mysql:host=localhost;dbname=testdb;charset=utf8', 'username', 'password';
3 $start = $_REQUEST['from'] / 1000;
4 $end = $_REQUEST['to'] / 1000;
5 $sql = sprintf("SELECT * FROM events WHERE `datetime` BETWEEN %s and %s",
6     $db->quote(date('Y-m-d', $start)), $db->quote(date('Y-m-d', $end)));
7
8 $out = array();
9 << foreach($db->query($sql) as $row) {
10     $out[] = array(
11         'id' => $row->id,
12         'title' => $row->name,
13         'url' => Helper::url($row->id),
14         'start' => strtotime($row->datetime) . '000',
15         'end' => strtotime($row->datetime_end) . '000'
16     );
17 }
18
19 echo json_encode(array('success' => 1, 'result' => $out));
20 << exit;

```

10 differences

Deleted Changed Inserted

3. References

This section details two types of files described within this document. The two types are: files that consists of code written by a third party with additional code written by the developer (identified in Chapter 1 and compared with their corresponding original file in Chapter 2) and files that consist of code written by a third party (identified in Chapter 1). The table below identifies the source of the code for each file that fits into the two types of files described above. The “ID link” column of the table is intended to be used in order to cross-reference the files identified in the table below with the files identified in the table found within the Application overview. (Chapter 1)

ID link	File name	Source
38	custom.min.css.php	https://ikreativ.com/combine-minify-css-with-php/
40	bootstrap.min.css	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
41	bootstrap-datetimepicker.min.css	http://eonasdan.github.io/bootstrap-datetimepicker/ https://github.com/Eonasdan/bootstrap-datetimepicker
42	calendar.min.css	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
43	custom.css (Code used detailed in Chapter 2)	http://bradsknutson.com/blog/display-loading-image-while-page-loads/
44	custom.css (Code used detailed in Chapter 2)	http://elvery.net/demo/responsive-tables/#no-more-tables
44	dataTables.bootstrap.css	https://www.datatables.net/manual/styling/bootstrap https://github.com/DataTables/DataTables
45	dataTables.FontAwesome.css	https://www.datatables.net/blog/2014-06-06 https://github.com/DataTables/DataTables
46	ekko-lightbox.min.css	http://ashleydw.github.io/lightbox/ https://github.com/ashleydw/lightbox
47	font-awesome.min.css	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
48	select2.min.css	https://select2.github.io/ https://github.com/select2/select2
49	FontAwesome.otf	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
50	fontawesome-webfont.eot	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
51	fontawesome-webfont.svg	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
52	fontawesome-webfont.ttf	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
53	fontawesome-webfont.woff	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
54	fontawesome-webfont.woff2	http://fontawesome.io/ https://github.com/FortAwesome/Font-Awesome
55	glyphicon-halflings-	http://getbootstrap.com/getting-started/

	regular.eot	https://github.com/twbs/bootstrap
56	glyphicon-halflings-regular.svg	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
57	glyphicon-halflings-regular.ttf	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
58	glyphicon-halflings-regular.woff	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
59	glyphicon-halflings-regular.woff2	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
65	background.png	http://subtlepatterns.com/school/
66	favicon.ico	http://fontawesome.io/icon/graduation-cap/ http://www.favicon.co.uk/
67	preloader.gif	http://preloaders.net/en/search/vynil
68	atm_icon.png	https://mapicons.mapsmarker.com/
69	building_icon.png	https://mapicons.mapsmarker.com/
70	computer_lab_icon.png	https://mapicons.mapsmarker.com/
71	cycle_hire_icon.png	https://mapicons.mapsmarker.com/
72	cycle_parking_icon.png	https://mapicons.mapsmarker.com/
73	lecture_theatre_icon.png	https://mapicons.mapsmarker.com/
74	library_icon.png	https://mapicons.mapsmarker.com/
75	student_centre_icon.png	https://mapicons.mapsmarker.com/
77	bootstrap.min.js	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
78	bootstrap-datetimepicker.min.js	http://eonasdan.github.io/bootstrap-datetimepicker/ https://github.com/Eonasdan/bootstrap-datetimepicker
79	calendar.min.js	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
80	custom.js (Code used detailed in Chapter 2)	http://bradsknutson.com/blog/display-loading-image-while-page-loads/
81	dataTables.bootstrap.js	https://www.datatables.net/manual/styling/bootstrap https://github.com/DataTables/DataTables
82	ekko-lightbox.min.js	http://ashleydw.github.io/lightbox/ https://github.com/ashleydw/lightbox
83	html5shiv.min.js	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap https://github.com/aFarkas/html5shiv
84	ie10-viewport-bug-workaround.min.js	http://getbootstrap.com/getting-started/ https://github.com/twbs/bootstrap
85	jquery.dataTables.min.js	https://www.datatables.net/ https://github.com/DataTables/DataTables
86	jquery-2.1.3.min.js	https://jquery.com/download/ https://github.com/jquery/jquery
87	jstz.min.js	http://bootstrap-calendar.azurewebsites.net/index-bs3.html http://pellepim.bitbucket.org/jstz/ https://bitbucket.org/pellepim/jstimezonedetect
88	location-overview.js (Code compare in Chapter 2)	https://developers.google.com/maps/articles/phpsqlajax_v3

89	location-search.js (Code compare in Chapter 2)	https://developers.google.com/maps/articles/phpsqlsearch_v3
90	moment.min.js	http://eonasdan.github.io/bootstrap-datetimepicker/ https://github.com/Eonasdan/bootstrap-datetimepicker http://momentjs.com/ https://github.com/moment/moment
91	respond.min.js	http://getbootstrap.com/getting-started/ https://github.com/scottjehl/Respond
92	select2.min.js	https://select2.github.io/ https://github.com/select2/select2
94	tileJS.min.js	http://tholman.com/projects/tile-js/ https://github.com/tholman/tileJs
95	underscore-min.js	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
96	underscore-min.map	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
100	day.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
101	event-list.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
102	modal.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
103	month.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
104	month-day.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
105	week.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
106	week-days.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
107	year.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
108	year-month.html	http://bootstrap-calendar.azurewebsites.net/index-bs3.html https://github.com/Serhioromano/bootstrap-calendar
125	events_json.php (Code compare in Chapter 2)	https://github.com/Serhioromano/bootstrap-calendar https://github.com/Serhioromano/bootstrap-calendar
126	reservedbooks_json.php (Code compare in Chapter 2)	https://github.com/Serhioromano/bootstrap-calendar https://github.com/Serhioromano/bootstrap-calendar

127	tasks_json.php (Code compare in Chapter 2)	https://github.com/Serhioromano/bootstrap-calendar https://github.com/Serhioromano/bootstrap-calendar
131	events_paypal_process.php	http://www.asif18.com/15/php/simple-paypal-integration-code-using-php---ready-to-use-script/
132	fees_paypal_process.php	http://www.asif18.com/15/php/simple-paypal-integration-code-using-php---ready-to-use-script/
135	paypal_class.php	http://www.asif18.com/15/php/simple-paypal-integration-code-using-php---ready-to-use-script/
140	location_overview_source.php (Code compare in Chapter 2)	https://developers.google.com/maps/articles/phpsqlajax_v3
141	location_search_source.php (Code compare in Chapter 2)	https://developers.google.com/maps/articles/phpsqlsearch_v3
142	atms.xml	http://webapps.city.ac.uk/matrix/maps/atms.kml
143	cycle_hire.xml	http://webapps.city.ac.uk/matrix/maps/cycle-hire.php
144	cycle_parking.xml	http://webapps.city.ac.uk/matrix/maps/cycle-parking.kml
145	locations.xml	http://www.city.ac.uk/visit/feeds/locations
146	atms.xml	http://webapps.city.ac.uk/matrix/maps/atms.kml
147	cycle_hire.xml	http://webapps.city.ac.uk/matrix/maps/cycle-hire.php
148	cycle_parking.xml	http://webapps.city.ac.uk/matrix/maps/cycle-parking.kml
149	locations.xml	http://www.city.ac.uk/visit/feeds/locations
164	.htaccess	Line 6 to 19 http://alexcican.com/post/how-to-remove-php-html-htm-extensions-with-htaccess/
		Line 24 to 30 http://stackoverflow.com/questions/234723/generic-htaccess-redirect-www-to-non-www
		Line 37 https://support.godaddy.com/help/article/6946/enabling-mod_deflate-with-your-hosting-account
		Line 44 to 49 https://github.com/EnlightenAgency/Server-Setup-MIME-Types-Headers/blob/master/font-mimetypes.txt
177	locked-out.php	Line 71 to 125 http://www.paullund.co.uk/set-expire-headers-in-htaccess
		http://www.alessioatzeni.com/blog/css3-digital-clock-with-jquery/

City University London
IN3007 Individual Project
Final Year Project Report

Academic Year: 2014-15

Appendix H
Project Communication document

by

Sergiu Tripon

Project supervisor: Dr. Vladimir Stankovic

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1. Meeting minutes

Date	26 th November 2014 (Wednesday)
Time	5pm
Location	Skype call
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none">• Analysis and Design started - in progress• Created a use case diagram• Implementation of the transport subsystem done• Implementation of the authentication system done• Implementation of the register system done• Implementation of the forgotten password facility done• Implementation of the password reset facility done• Implementation of the account subsystem done	
What happened in the meeting	
<ul style="list-style-type: none">• I've told the supervisor what I have been doing so far and a brief summary of my progress• I told him that I have started programming since August and had some functional codes already completed by the time my PDD was marked.• I told him that I have continued with programming due to worries that I won't have enough time to complete my beta release of the application which is in January• I also told him that I have now decided to pause the implementation progress, and I have started the analysis and design stage• I told him that I think now is the best to start the analysis and design stage as I haven't advanced with the programming too much, and that the analysis and design stage will help me decide if my logic in my programming is actually feasible• We have agreed that I will be working on the analysis and design stage until finished before going into the implementation once again.• My supervisor gave me insight into what it would be needed and what might be good to have when it comes to the analysis stage and also the design stage, especially database design	
What will happen next	
<ul style="list-style-type: none">• I will create a analysis and design document that will consist of:<ul style="list-style-type: none">○ Use case specification○ Use case diagram○ Sequence diagram (maybe)○ State machine diagram (maybe)○ Class diagram○ Activity diagram (maybe)○ ER Diagram○ Wireframe (maybe)	

Date	11 th December 2014 (Thursday)
Time	4.15pm
Location	Supervisor's office, CSR
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none"> • Analysis and Design started - in progress • Created a use case diagram - in progress • Created a use case specification document - nearly finished 	
What happened in the meeting	
<ul style="list-style-type: none"> • The meeting was more of an update on the progress from the previous meeting • We talked about which diagrams are necessary and which ones could be done as an optional choice • We discussed what else is needed such as the MySQL script which will create the database and the tables within it as well as the queries that will be used throughout the system to manipulate data • We talked about an estimation of a deadline regarding the analysis and design document, and we roughly agreed on end of December for the document to be nearly finished, with maybe the class diagram still left to be done. • We talked about the project review at the end of January and what will happen during this review like it's format • We have decided to have another meeting or two during January before the project review 	
What will happen next	
<ul style="list-style-type: none"> • I will create a analysis and design document that will consist of: <ul style="list-style-type: none"> ◦ ER Diagram ◦ Class diagram ◦ Script for database and tables creation ◦ Script for queries 	

Date	13 th January 2015 (Tuesday)
Time	3pm
Location	Skype call
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none"> • Use case specification – completed • Use case diagrams – completed • ER diagram – completed • Class diagram – completed • MySQL queries – completed • Implementation of Authentication, Account and Transport – completed • Implementation of Calendar – in progress 	
What happened in the meeting	
<ul style="list-style-type: none"> • I gave my supervisor an overview on what I have done so far • We talked about the work that is left to do until the review • I have the calendar implementation left until the review • We talked about what will happen during the review 	
What will happen next	
<ul style="list-style-type: none"> • I will continue with the implementation of the calendar area 	

Date	27 th February 2015 (Thursday)
Time	11am
Location	Supervisor's office, CSR
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none"> • Use case specification – completed • Use case diagrams – completed • ER diagram – completed • Class diagram – completed • MySQL queries – completed • Implementation – 90% completed 	
What happened in the meeting	
<ul style="list-style-type: none"> • I gave my supervisor an overview on what I have done so far • We talked about the work that is left to do until the review • I have to complete the implementation by end of February • We talked about how I should do the testing phase • I have asked him how the final review will be 	
What will happen next	
<ul style="list-style-type: none"> • I will finish the implementation • I will start the testing phase • I will start the user manual • The implementation, user manual, internal and external testing should be finished by mid February 	

Date	30 th March 2015 (Monday)
Time	11am
Location	No location, through email
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none"> • Wrote user manual (still needs print screens, they will be added at the end) • In progress with the system testing (need to document it as it was done in another tool) • In progress usability testing (need to document it as it was done in another tool and contains videos) • In progress with the project report, I have 40 pages, but it needs a lot of cut down. I am currently on the Results section, with around 70% of it done. • The application functionality is completed, but I am still tweaking the aesthetics. 	
What happened in the meeting	
<ul style="list-style-type: none"> • Supervisor acknowledged the update sent through the email 	
What will happen next	
<ul style="list-style-type: none"> • Complete a project report draft • Complete the system testing document • Complete the usability testing document • Complete the user manual 	

Date	20 th April 2015 (Monday)
Time	4.30pm
Location	Supervisor's office, CSR
Participants	2 (Student and Supervisor)
What has been done before the meeting	
<ul style="list-style-type: none"> • Compiled requirements document • Compiled analysis and design document • Compiled unit testing document • Compiled usability testing document 	
What happened in the meeting	
<ul style="list-style-type: none"> • Discussed what will happen during the final project review • Asked the supervisors the following questions: <ul style="list-style-type: none"> ◦ How do I get specific appendices which are over the page limit to you? The scheme specifies a recommended page limit of 20. If over that, it recommends the student to speak to the supervisor and arrange the transfer differently. ◦ Am I allowed to use the university location which I got from the university website? ◦ When we will know if we have to submit hard copies ◦ When will the prescribed format for the front page be released? 	
What will happen next	
<ul style="list-style-type: none"> • Create deployment guide • Create deployment diagram • Create re-use of code document • Complete Project Report 	

2. Emails

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	09 August 2014 21:58
Subject	Individual Project
Email	<p>Hi Vladimir,</p> <p>My name is Sergiu Tripon, I'm a student at City studying Computer Science. I'm coming back from a placement to finish my undergraduate degree this year, and have thought of an idea which I'd like you to give me some feedback on or see if you might be interested in.</p> <p>From what I know, City University doesn't have a very popular and functional app/website targeted to its students, which can enable them to find out pretty much anything they'd want to find out, which will obviously erase the need for sending e-mails/making calls, which will further help the University staff.</p> <p>On iOS, City does have an official app, but as it stands, it hasn't been updated since 2011, and I feel like the students could have something better.</p> <p>My idea is actually a prototype/preposition of a website that will function as an app being fully responsive which means any user of any sort of desktop, tablet or mobile phone will be able to access it as long as they have Internet connection and a web browser like Chrome, Firefox, Safari, Internet Explorer etc.</p>
<hr/> <p>Sergiu Tripon Supervisor: Dr. Vladimir Stankovic</p> <p>H4</p> <p>Login: abnd206 Academic Year: 2014-15</p>	

A few features that I have in mind at the moment will include a "my account" function which will enable the students to update their personal details as well as check exam results, course fees etc.

Another feature will be the Library feature where the student can reserve a book, and pick it up from the university library at a later date. They will also be able to check their timetable, browse a university map in case they are lost. Contacting any member of the staff will be possible straight from the website. Another idea I thought about is to have a Live London Tube feed embedded within the website which will let student know if any of the lines are not working or have limited functionality, which will then help them make decisions more accurately in regards to arriving in time for their lecture/lab.

These are the few ideas I thought of so far, but I'm sure there will be a lot more.

I also thought about making this into a Windows 8 app, but my opinion is that if it's a fully responsive website, this will not limit the user at all, in comparison to if it's an app such as iOS, Android or Windows, the user will have to own a device that runs on these specific platforms.

I said the app will be a prototype/preposition which means it will not use real data at first, but it could become something official depending on the results, feedback and its potential. The problem that it would solve is helping City University students managing all their university facilities in one place, for free, efficiently.

Please let me know what you think, and whether you'd like to have a chat about this.

Thank you,

Sergiu Tripon

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	10 August 2014 22:17
Subject	Individual Project
Email	
Hi Sergiu,	
Thanks for the email.	
It's good to see you planning for the project at this time.	
The ideas you have are, in principle, viable to make up (a part of) the project, but it'd be good to have a chat about this. (Since you're on a Computer Science course, the project needs to be "Design and Build", as you are aware).	
I have some time on Wed at 4pm. Could you confirm if you will be coming to see me or not?	
Best regards Vladimir	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	19 August 2014 18:09
Subject	
Individual Project	
Email	
Hi Vladimir,	
I've been thinking the last couple of days on whether I want to go ahead with the idea that I presented to you and whether I'm sure I want you to take part in it as my supervisor, and my mind hasn't changed. I'd like to go ahead with the idea and with you as my supervisor for the individual project. I've written a "draft/start" to the PDD. Please read it and let me know what you think and whether you'd like me to expand on anything at the moment.	
Thank you, Sergiu Tripone	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	19 August 2014 18:17
Subject	
Individual Project	
Email	
Sergiou,	
Thanks for the update.	
I'm glad that you haven't changed the mind. We have an agreement that I be your Final Year project supervisor.	
If/when I have any comments regarding the draft I will let you know.	
Regards Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	20 August 2014 18:08
Subject	
Individual Project	
Email	
Sergiu,	

I briefly read the current draft.

You have made a good starting point.

A few remarks follow:

- Some parts of the functionality are sensitive: e.g. exam results and feedback, and you need to be careful in deciding how much of it will become part of the application
- The section “Risks/Constraints (will expand on)” is important
 - The title is a bit misleading though; these are more objectives/challenges of the project, e.g. some of the outputs of your project will be different kind of documentation (Requirements Specification, Design document, User manual?)
- You could start thinking of how the Work Plan will look like

Best regards

Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	20 August 2014 18:46
Subject	Individual Project
Email	<p>Hi Vladimir,</p> <p>Thank you for your feedback.</p> <p>I agree that the exam results and feedback section are sensitive in terms of data and information, but I thought that if the application will be completely a prototype, the data that is stored for these two sections will not be real, therefore it won't cause any trouble. If the application will use real data, then I agree that these two section will be quite tricky and require quite a bit of thinking. Correct me if I'm wrong and let me know what you think.</p> <p>I am very aware that the risks sections is very important, and what I provided in this first draft is just of the very general headings for the risks. I am aware that one risk could expand into a number of different types of that specific risk and I will be properly expanding that as I did with the first part. For me, the scope for this draft was to lay down as much as possible the ideas I had, and what I want the application to consist of, as I didn't have any of it on paper, and it also helped you see where I'm going with it. The next stage is definitely the risks section, followed by the planning.</p> <p>I also agree that the title is misleading, as not all of them are risks. Do you think I should take some of them out and leave the:</p> <p>Cross-browser compatibility (there's a risk that the website won't be compatible with all browsers, only some, which will then prevent students to access it if they don't have the required browser installed on their phones/tablets/desktops)</p> <p>Responsiveness (there's a risk that the website won't be completely responsive, which will then prevent students that want to access it on their mobile)</p> <p>Security (there's a risk that there might be a security constraints within the website which will expose the website to attacks)</p> <p>?</p>

These are the three real risks that I can think of and will expand on for now. I will also start thinking and writing about the plan I will undergo when working on the project.

Do you have a specific date that you want me to send you a second version of the draft?

Thank you again, and feel free to let me know if there's anything else.

Kind Regards,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	2 September 2014 20:39
Subject	Individual Project
Email	
Hi Vladimir,	
Attached is the 2nd version of the document that I've been putting together. I'm off on holiday tomorrow night. If you have any questions or comments, feel free to e-mail me as I will have access to internet and my e-mail.	
Thank you.	
Kind Regards, Sergiu Tripon	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	3 September 2014 17:06
Subject	Individual Project
Email	
Sergiu	
Thanks for this; if I have any comments I'll let you know, though please note that I will be on holiday from tomorrow until 16th Sept and any possible comments I might have will follow then.	
Best regards Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
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	Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	22 September 2014 23:11
Subject	
Individual Project	
Email	
<p>Hi Vladimir,</p> <p>I am now back from holiday, and I was wondering if you check the second draft of the document that I sent you earlier this month, and whether you had any comments or feedback on it?</p> <p>Could you also let me know if the supervisor-student pairing up tool has been completed? and whether you think I should start building the actual PDD document at this moment in time?</p> <p>Please let me know what you think.</p> <p>Thank you.</p> <p>Kind Regards, Sergiu Tripón</p>	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	23 September 2014 09:11
Subject	
Individual Project	
Email	
<p>Hi Vladimir,</p> <p>I am now back from holiday, and I was wondering if you check the second draft of the document that I sent you earlier this month, and whether you had any comments or feedback on it?</p> <p>Could you also let me know if the supervisor-student pairing up tool has been completed? and whether you think I should start building the actual PDD document at this moment in time?</p> <p>Please let me know what you think.</p> <p>Thank you.</p> <p>Kind Regards, Sergiu Tripón</p>	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	23 September 2014 09:11
Subject	

Individual Project
Email
Sergiu,
Welcome back.
You should start now creating the actual PDD document. Once a full draft is ready I can have a look at it (I have to be careful in how many times I review the work – it has to be your work in the end; from one point of view I should look at the official version of PDD only once; hope you understand).
The tool is not ready at the moment, but I believe it will be soon.
Best regards Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 September 2014 12:17
Subject	
Individual Project	
Email	
Hi Vladimir,	
Ok, I'll get started on that, and I'll e-mail you it when it's in a final state and I'm happy and confident with it. In the meantime, let me know if anything happens individual project related or if I should do anything else.	
Thank you.	
Kind Regards, Sergiu Tripon	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 September 2014 14:06
Subject	
Individual Project	
Email	
Sergiu	
Sounds fine.	
I will let you know of any developments.	

Also, please check the Moodle space for IN3007 module, and any related messages from the project tutors.

Best regards
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 September 2014 22:35
Subject	
Individual Project	
Email	
Sergiu,	
As previously agreed, I'd like to let you know that I officially registered your project under the working title of "An application for student access to university-related resources" using the official project tool which was made available to supervisors recently.	
Best regards Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	24 September 2014 19:02
Subject	
Individual Project	
Email	
Hi Vladimir,	
Could you please let me if you know when the deadline is for the PDD document? Been trying to find it but the calendar is not up yet in the IN3007 module.	
Thank you.	
Kind Regards, Sergiu Tripon	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	24 September 2014 19:06
Subject	
Individual Project	

Email

Sergiu,

Not sure, it will be advertised by the module leader's soon.

But my guess it ought not be before the Week 3 or 4.

Regards
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	28 September 2014 20:03
Subject	Individual Project
Email	
Hi Vladimir,	
I just wanted to ask you a question in regards to what additional tools we are allowed to use as part of the individual project. I'd like to use Bootstrap as part of the design phase of the website, which if you don't know is a framework for developing responsive, mobile first projects on the web. This will speed up my design process by quite a lot, which means I have more time to actually code the functionality of the website. It won't affect in any way the programming side of things. I was wondering, if I could use such a resource?	
Thank you, Sergiu Tripon	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	28 September 2014 20:46
Subject	Individual Project
Email	
Sergiu,	
There is no restriction, or prescription, of what technologies should be used. The criterion is the best one(s) that would help you implement the project fully and of as good quality as possible.	
Cheers Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	3 October 2014 14:41
Subject	Individual Project
Email	<p>> Hi Vladimir,</p> <p>></p> <p>> I was just writing the front page of the PDD and I didn't understand</p> <p>> the two points below:</p> <p>></p> <p>> A brief outline of all arrangements for proprietary interests in your</p> <p>> project work and/or outside help. Attach in full all documentation of</p> <p>> agreements. If there are no such arrangements, this must be clearly</p> <p>> stated;</p> <p>></p> <p>> I would put that there are no arrangements, but just wanted to make</p> <p>> sure I understood the point correctly.</p> <p>></p> <p>> Any promises you are making in order to secure acceptance of the</p> <p>> project (e.g. by your supervisor or projects tutor);</p> <p>></p> <p>> Regarding this, I'm not sure what sort of promises have to be made.</p> <p>> Technical? Regarding the contents of the application.</p> <p>></p> <p>> It would be great if you could clear this up for me.</p> <p>></p> <p>> Thank you,</p> <p>> Sergiu</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	3 October 2014 14:42
Subject	Individual Project
Email	<p>I agree with you regarding the answer for Q1.</p> <p>For Q2, I would advise to best ask Lorenzo Strigini, the module leader</p> <p>Cheers Vlad</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	15 October 2014 11:28
Subject	

Individual Project	
Email	
> Hi Vladimir,	
>	
> I've tried to e-mail Lorenzo, but haven't got a reply. There is a Q&A	
> session today, which I'll be attending, so hoping I'll get the answers	
> to my question then.	
>	
> While writing the PDD, I'm a bit confused on the work plan, as my work	
> packages are basically my objectives. Because my project contains a	
> number of different pages, I have split my objectives by what each page	
> will be able to do, and I also split the work packages in the same way,	
> which makes the outputs of the objectives and the outputs of the work	
> packages identical. Should I split the packages into smaller pieces?	
> For example:	
>	
> Account page allows you to update personal details, change passwords	
> and pay for course fees.	
>	
> Should I be splitting the above into 2 or 3 smaller pieces instead of	
> the whole objective? e.g. Update Personal details function within	
> account page?	
>	
> Also, I have another question which you might have the answer to, it's	
> regarding the Ethics checklist, if it involves human participants, it	
> says that I need to issue a Information sheet and Adult Consent form to	
> the person/persons involved, but do I have to do that now, together	
> with the PDD and Ethics checklist, or can it be done later?	
>	
> I'll try to ask the same question when I hopefully see Lorenzo later.	
>	
> Thank you,	
> Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	15 October 2014 11:28
Subject	
Individual Project	
Email	
Sergiu, Have you got the answers from Lorenzo? Your statement " I have split my objectives by what each page will be able to do, and I also split the work packages" indicates that the work plan is too detailed. The work plan should be about milestones and deliverables/outputs of each stage of the project. " Account page allows you to update personal details, change passwords and pay for course fees." - this is too detailed. Regarding the Ethics-related arrangements, "Information sheet and Adult Consent form are to be distributed only if your work involves human/adult participants. But does it? Your are not going to interview people, or distribute questionnaire, or involve people in a similar way. Cheers Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	15 October 2014 19:47
Subject	Individual Project
Email	<p>> Hi Vladimir,</p> <p>></p> <p>> Yes, I did to some extent. But I'm still quite confused between the objectives and the work plan packages. My objectives are quite detailed and state exactly what the user should be able to do on each page of the application.</p> <p>></p> <p>> Now, for the workplan, I'm not sure what to do. I started doing the same thing as the objectives, saying when I plan to start and finish each page functionality and got a table and a gantt chart for that. But then in the Project Scheme document it's also stated that we have to specify the outputs of the deliverables and the resources. If I start writing the outputs, they'll end up being the same as the objectives.</p> <p>></p> <p>> Regarding the ethics form, it says: "Does your project involve human participants? For example, as interviewees, respondents to a questionnaire or participants in evaluation or testing?"</p> <p>></p> <p>> So yes, I could use human participants in evaluation/testing. From what has been said at the individual project session, it seems that it's recommended if you're doing a design-and-build project, to have someone within your project beneficiaries evaluate/test/give you an opinion of the product. It sounded like a must to me. Correct me if I'm wrong.</p> <p>></p> <p>> Thank you,</p> <p>> Sergiu</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	16 October 2014 10:07
Subject	Individual Project
Email	<p>Sergiu,</p> <p>You do not necessarily need to break-down objectives into as small pieces as you stated:</p> <p>" My objectives are quite detailed and state exactly what the user should be able to do on each page of the application."</p> <p>They should be coarser grained. E.g. one objective is, say, the application will do X, Y and Z; but you do not need to state every single piece of functionality as a (sub-)objective.</p> <p>Other objective could be that you will by following a particular software development approach (e.g. waterfall) produce analysis and design deliverable (which will include for example, UML diagrams that describe)</p>

Another one could be to perform and document a thorough testing campaign against the software.
 Yet another one could be to produce user-manual of the application, if applicable/needed.
 As for the ethics, I agree: if you plan to involve humans participants to take part in the testing/evaluation of the software you develop, then do fill in the necessary forms.
 Best regards
 Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	19 October 2014 21:19
Subject	
Individual Project	
Email	
Sergiu,	
Thanks for this.	
I will review the document as soon as possible and send you any comments I might have.	
Regards	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 October 2014 15:39
Subject	
Individual Project	
Email	
Hi Vladimir,	
Thanks for the feedback.	
Regarding your question on whether the app is for City University or for any university.	
Initially it was intended for City specifically, but then I realised that apart from the data flowing through it, nothing will be specific to City, so as long as the data is provided, any university can use it.	
Regarding the work packages, you have provided the following example:	
One WP could be Analysis and Design deliverable, to be produced by Dec 10. Another one is the Implementation of Subsystem X, by the deadline of? Yet another one is the Implementation/testing deliverable to be produced etc So if I say Implementation of Subsystem X, by the deadline of?, then I don't see the point of also saying the Implementation/testing deliverable to be produced as they are the same thing, just one is specific, one is general. If I use the first one, I will end up listing all the pages again as in my app, subsystems are different pages within the app.	
I'm thinking of doing this way:	

Analysis/Design
 Implementation of the authentication, transport and calendar features
 Beta release
 Implementation of event, feedback, timetable and library features
 User manual writing
 Testing/Evaluation (internal)
 Evaluation (external - end-user)
 Live release
 or should I go even more general?
 Analysis/Design
 Implementation
 Beta release
 User manual writing
 Testing/Evaluation (internal)
 Evaluation (external - end-user)
 Live release
 This is not explained in the Project Scheme Document at all, so it's very hard to "guess" the format needed for this.
 Thank you,
 Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 October 2014 16:10
Subject	Individual Project
Email	Sergiu, Your more detailed option given below seems more appropriate to me. You could even separate Analysis and Design (in bigger projects this is the case usually, but this is less of an issue in yours) Regards Vlad
P.S.	No specific, detailed instructions are given in the Scheme in part since the projects differ significantly

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	23 October 2014 18:47
Subject	Individual Project

Email
Hi Vladimir,
Regarding the feedback on the following:
Will the research be conducted in the participant's home or other non-University location?
Why not stipulate that all the interaction be done in the University premises – it simplifies the fulfilment of Ethics requirements.
The research won't be conducted within a university. Do I explain how my safety will be preserved, or say that it will be in university even though it wouldn't?
Just confused.
Thanks, Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	23 October 2014 21:34
Subject	Individual Project
Email	Do say the truth, of course. And explain the safety presevration steps.
Cheers Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	26 October 2014 13:45
Subject	Individual Project
Email	Hi Vladimir,
	Am I right assuming that the references that I used throughout the PDD are not counted towards the 1000 word count limit?
	Thank you, Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	26 October 2014 13:48

Subject
Individual Project
Email
Sergiu
<p>This is explained in the Scheme document – please have a look. But do not worry too much about the word limit, as long as the text is not excessively long.</p> <p>Cheers Vlad</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 October 2014 13:59
Subject	
Individual Project	
Email	
<p>Hi Vladimir, It says excluding the reference section. There is no such section as the references are throughout the document, so I wasn't sure.</p> <p>Kind regards, Sergiu Tripon</p>	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 October 2014 14:32
Subject	
Individual Project	
Email	
<p>Sergiu,</p> <p>“References”/ “bibliography” is the section in any academic papers where one lists all the referred text.</p> <p>The citations are made throughout the text, but in the “References” section one provides a list of all the material referred to.</p> <p>Regards Vlad</p>	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 October 2014 14:36
Subject	
Individual Project	

Email

Hi Vladimir,

Apologies, my question was regarding the referred text. If I count that towards the word count I'm exceeding the limit. I haven't included the text in the work plan table and Gantt chart either.

Thank you,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	
Individual Project	
Email	
Sergiu, It should be fine. Best regards Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	
Final year project progress	
Email	
Hi Sergiu, Please find attached the assessment with the feedback for your PDD. Overall It is a good document. If you have any queries we can discuss it in the next meeting. Please recall our previous communication on the subject including the feedback I have given you on the draft of the PDD Best regards Vlad P.S. Apologies for the spelling mistakes – the tool does not have built-in spellchecker. Also the formatting of the pdf should be clearer – I can show you the html version on screen if needed.	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)

Sent on	12 November 2014 19:44
Subject	Final year project progress
Email	
Sergiu,	

I assume the project work is progressing well.

Please let me know if you need to meet.

I have a free slot for a meeting next Wednesday at 6pm – we can have a teleconference on Skype if needed.

Regards
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	13 November 2014 09:19
Subject	Final year project progress
Email	
Hi Vladimir,	

Yes, I would say so. I have been working quite a bit on the programming side of things but I think that I'll stop now and start the analysis and design part.

I don't think I need a meeting just yet, but I wanted to ask whether there are any meetings that are compulsory? I know that there is a Project Review. Do you know when that will be taking place or not yet?

Thank you,
Sergiu Tripón

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	13 November 2014 12:00
Subject	Final year project progress
Email	
Sergiu,	

Are you using a waterfall software development lifecycle, or a more “agile-like” approach?
You state that you have been programming, and the requirements/design have not been done/started.

You need to upload meeting minutes, once a month.

There is a Project Progress Review that needs to happen by end of Jan 2015 and there is a Final Project Review sometime in April if I remember correctly
 All of this is explained in the Scheme document, including the deadlines.

Regards
 Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	25 November 2014 10:16
Subject	Final year project progress
Email	<p>Hi Vladimir,</p> <p>I'd like to have a meeting this week. Do you have any free slots on Thursday or Friday?</p> <p>Thank you, Sergiu</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	25 November 2014 11:46
Subject	Final year project progress
Email	<p>Sergiu,</p> <p>I am unfortunately busy on Friday and Thursday.</p> <p>I can see you on Wed at 5pm. (we can have a Skype discussion if better for you)</p> <p>Cheers Vlad</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 November 2014 14:19
Subject	Final year project progress
Email	<p>Hi Vladimir,</p>

I'd like to go with the Skype meeting instead of face-to-face today. Hope that's okay.

See you at 5pm.

Thank you,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 November 2014 14:45
Subject	Final year project progress
Email	
Fine	
My skype id is v_stankovic	
Cheers	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 November 2014 16:50
Subject	Final year project progress
Email	
Hi Vladimir,	
I've compiled our yesterday meeting into a document. I've checked Moodle and there's no where to upload them. I've also checked the Project scheme and it doesn't say they have to be uploaded to Moodle, but just "submitted". I've posted a question on the discussion forum, and I've also attached the document to this e-mail just in case. Please let me know if there are other alternatives.	
Thank you, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 November 2014 17:28
Subject	Final year project progress
Email	

Sergiu

Thanks for this.

You can check with Project Tutor if a submission area will be opened (ie what submitted “means”)

Cheers

Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 November 2014 22:26
Subject	
Final year project progress	
Email	
Hi Vladimir, Lorenzo has replied to my Moodle post and has created a submission area. Just wanted to let you know as he suggested, that I have uploaded this month's meeting minutes. Thank you, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 November 2014 22:36
Subject	
Final year project progress	
Email	
Thanks for informing me. Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	7 December 2014 13:43
Subject	
Final year project progress	
Email	
Sergiu, Unfortunately I cannot make the 5pm meeting on Wed 17th Dec, due to other commitments. Can we please instead meet at 2pm, on the same date?	

Best regards
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Sent on	7 December 2014 16:59
Subject	
Final year project progress	
Email	
Hi Vladimir,	
Unfortunately, I won't be able to make it earlier than 5pm on Wednesday. Do you have any other slots?	
Thank you, Sergiu Trip on	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Sent on	7 December 2014 19:09
Subject	
No subject	
Email	
Sergiu,	
I presume you cannot make it even on Skype on Wed at 2pm – if you can, please let me know.	
If not, can you make it 4.15-4.45pm on Thursday 12 Dec, in person or on Skype?	
Regards Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Sent on	9 January 2015 20:27
Subject	
No subject	
Email	
Hi Vladimir,	
Happy new year!	
Just wanted to let you know that I have nearly completed the Analysis and Design document. It	

includes the Use Case Specification, Use Case diagrams, ER Diagram, Class diagrams and the MySQL scripts for creating the database and its tables. I have yet to add the queries which will manipulate data.

I am now mostly concentrating on the one exam I have but also working on the implementation.

I am available for a meeting next week, if you have any free slots.

Regards,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	10 January 2015 21:33
Subject	
No subject	
Email	
Sergiu,	
Happy New Year to you too!	
I'm glad to hear you're progressing with the project work.	
Good luck with the exam!	
I have some time free next week; 3-30pm on Tuesday, or 6-6.30pm on Monday.	
Please let me know which one can you make, if any?	
Best regards, Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	11 January 2015 00:24
Subject	
No subject	
Email	
Hi Vladimir,	
Thank you. 3-30pm on Tuesday would be good. Not sure if I can make it in person. Would you be available to do it over Skype?	
Thanks.	
Regards,	

Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Subject	11 January 2015 15:33
No subject	
Email	
Sergiu,	
Yes, Skype is fine.	
Cheers	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Subject	26 January 2015 15:40
UG Project Progress review	
Email	
Dear All,	
(I hope you had a successful exam period)	
This is a reminder/announcement that I, as your supervisor, will hold the Project Progress Reviews with all of you this Fri at 4.30pm, in A229m.	
I have discussed with most of you the requirements for the review – but in any case the project Scheme document describes what is needed from you at the project progress review.	
I will see you on Friday.	
Best regards,	
Vlad	
P.S. Ameneh, as discussed, you can come at 4pm on the Friday if the original time is too late for you – in any case, please let me know what you decided.	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Trip on (Sergiu.Trip on.1@city.ac.uk)
Subject	27 January 2015 14:22

UG Project Progress review
Email
Hi Vladimir,
I just realised that the Project Progress Review slightly clashes with my Project Management tutorial. The tutorial finishes at 4.50pm. Is it possible for me to come slightly later, at 5pm instead of 4.30pm? That would be really helpful as I think the first lecture of Project Management would be on team assignment.
Thank you, Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	
UG Project Progress review	
Email	
Hi Sergiu,	
That's fine. See you after the tutorial.	
Cheers	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	
UG Project Progress review	
Email	
Hi Vladimir,	
One more question. Are we allowed to have notes for ourselves to use during the presentation?	
Thank you,	
Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	
UG Project Progress review	
Email	

Yes,

That's fine.

Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	30 January 2015 19:55
Subject	Project Progress Presentation Mark
Email	
Dear Sergiu,	
The following mark and feedback should be looked in conjunction with the assessment criteria for Project Progress review in Section 6 of the Scheme document. The mark and feedback are based on "progress and professionalism of the project to date" (NOT just the review).	
Your mark for the Project Progress Presentation is 6 out of 10.	
<ul style="list-style-type: none">• Your presentation about the project was largely inclusive of all the necessary details• Your explanations about the use of technology were competent, e.g. use of Git etc.• It'd be preferable that you included excerpts from the technical documentation (you claim to have done Requirements Spec. and Design)• Despite of a substantial part of the implementation being attempted, more should have been done with the actual progress of the project – you seem not to have put enough effort: 2/3 days a week is needed (on average)• Although the monitoring of the project has happened and has been presented, more should have been done, and appropriate mitigation strategies used. Maybe the plan could have been better followed then.<ul style="list-style-type: none">○ Regarding the plan to finish everything but the report by mid March appears unreasonable. Need to reconsider this.• The relevance of the references mentioned should have been explained.	
I think you can do more given your abilities, and to (fully) succeed in the project you will definitely need to put more effort.	
I hope this feedback and the one given during the presentation is constructive and the mark given is positively sobering, and that you will make use of it in order to somewhat improve the technical progress (and to an extent project management too).	
I wish you a success in the remainder of the project.	
Best regards, Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
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Sent on	30 January 2015 20:34
Subject	Project Progress Presentation Mark
Email	
Hi Vladimir,	
Thank you for the feedback. I feel OK about the mark, but I do however think that it should've been a little higher and perhaps the reason for that is that you have not seen much of the work I have produced. I believe that I have worked more than 2/3 days a week at times, but that cannot be seen unless you see the work I have produced.	
I have completed all the work, that I planned and specified in the work plan, on time, so I do not quite understand why more should have been done. I have planned this way for a reason and that is because the first semester was substantially more difficult and busy than the second will be.	
I fully believe that the entire work but the project report can be done, and I don't think I should reconsider because:	
The first semester was a lot more challenging with a core module, two other modules and an exam. The second semester consists of just two modules, with one exam which will take place after the final deadline of the Individual report	
That means I will only be in university twice a week, with the rest of the five days spent mostly on the project.	
Also, I'd like it to be considered that going into this project, the experience I had in the programming language chosen was close to none, which meant that I had to learn a lot, and gain experience, which made development and problem solving a lot harder and longer at the beginning.	
However, now I feel completely comfortable with the technology I am using within the project, and have already "cracked" certain functionalities that will be used within other areas of the application. This means that the development work will speed up radically, and I will be able to complete the project on time.	
I'd like to know if there is any way I could make you reconsider the mark awarded, perhaps by demonstrating you the work I have done so far, which I think we'll show through, the amount of work I have put in.	
Thank you, Sergiu	
Note: It hasn't been specified in the Project scheme that excerpts of the work should be included. Even if it did, I did have the Analysis and Design document on my tablet which was with me, and I offered to show it, but it was said that it's not necessary. The same goes for the development work, it could have easily been showcased if requested, as it was on the web.	
I have given hand outs which consisted of key sources which had, below each one, their specific relevance to the project. You state that the relevance has not been explained, but I think it has been.	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
---------------------------	--

Sent on	30 January 2015 20:40
Subject	Project Progress Presentation Mark
Email	
Sergiu,	
Thank you for the email and the explanation.	
I do think that you made a good progress, and this has been acknowledged.	
I understand your concerns, but unfortunately, the mark cannot be reconsidered.	
On the other hand, the assessment via the final report will enable a thorough evaluation of the whole project and I will of course consider carefully the whole work.	
Hope this helps.	
Best regards, Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 February 2015 07:55
Subject	Project Progress
Email	
Hi Vladimir,	
I wanted to know if you have any free slots for a meeting as we didn't have one in February? I'm nearly done with the development part, then user manual and testing will follow. If you don't have any free slots do you think having a "email" meeting like this where I tell you in writing what I've been doing, good enough? Please let me know.	
Thank you, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 February 2015 11:31
Subject	Project Progress
Email	
Sergiu,	
I'm free tomorrow at 11-11.30. Otherwise you can send me the email with the newest developments/achievements, and the next actions.	

Best regards,
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Subject	30 March 2015 10:39
Meeting & Project review	
Email	
Hi Vladimir,	
I will list down what has been done so far since our last meeting, and submit this as the meeting minutes for this month, as I don't think there's enough time for us to meet face-to-face:	
<ul style="list-style-type: none">• Wrote user manual (still needs print screens, they will be added at the end)• In progress with the system testing (need to document it as it was done in another tool)• In progress usability testing (need to document it as it was done in another tool and contains videos)• In progress with the project report, I have 40 pages, but it needs a lot of cut down. I am currently on the Results section, with around 70% of it done.• The application functionality is completed, but I am still tweaking the aesthetics.	
What's next	
<ul style="list-style-type: none">• Complete a project report draft• Complete the system testing document• Complete the usability testing document• Complete the user manual	
That's pretty much what I can remember since the last meeting. Let me know what you think.	
Regarding the Project Review	
Will there be a PC available, as during the first progress review my tablet was not compatible with the projector?	
Or will me showing both you and the second marker the application on my tablet be fine? I have a Microsoft Surface.	
Apart from the application, what else do we need to show? All the documentation? What if we are still in progress of completing some?	
Also, is there any need to bring hand-outs?	
Regarding the Project Report	
Does the draft have to include all the appendices, or are you mainly looking at assessing the 40 pages alone for the draft?	

If you could please answer the above, it would be really helpful.

Thank you,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	30 March 2015 11:00
Subject	Meeting & Project review
Email	<p>Sergiu,</p> <p>Thanks for this.</p> <p>Please make sure the testing is done thoroughly, and following a scientific method(s), e.g. the ones mentioned as part of the Software Engineering, OOAD modules.</p> <p>The final project review is an oral presentation in which the 2 markers review ALL project outputs, not only the software developed (some projects do not develop (challenging) software). For example, excerpts from all the documents you generated, including some that you still are improving. But there will be a limited amount of time from when the Final review takes place until the final submission of the report roughly 15th Apr – 7th May. Do bring hand-outs and do shows us excerpts electronically.</p> <p>It's most likely to be scheduled in A229m, thus you need appropriate connector/adaptor to the CSR's projector. (you might want to ask Technical Support Team of the department to borrow you one)</p> <p>The draft does not need all the Appendices.</p> <p>Please check the details of the organisation of the Final Review in the Scheme document (if done already).</p> <p>Cheers Vlad</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	30 March 2015 13:16
Subject	Meeting & Project review
Email	<p>Hi Vladimir,</p> <p>Thanks for the reply. Unfortunately, my tablet doesn't have an HDMI or the blue monitor slot. It only has a DVI which I'm pretty sure won't be compatible with the monitor.</p>

Is it a must to have it shown on the projector? Or can I show it on my tablet?

Thanks,

Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	30 March 2015 13:53
Subject	Meeting & Project review
Email	
Sergiu	
This ought not be a problem.	
Cheers	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	7 April 2015 12:25
Subject	Meeting & Project review
Email	
Hi Vladimir,	
I'd like to know if you could provide an estimation on when the progress review will happen? Also, do you know who the second marker is yet or when we will find out?	
Thank you,	
Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	7 April 2015 12:27
Subject	Meeting & Project review
Email	
Sergiu,	
All I can say currently is that the review will happen before 1st May.	
This is because the 2nd markers are not yet known.	
I will contact you once this has been determined.	

Cheers
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	14 April 2015 22:50
Subject	Meeting & Project review
Email	<p>Hi Vladimir,</p> <p>Thank you for the Final review invite.</p> <p>I am planning to send you a first draft version of the project report. As it is at the moment, I don't think I will be able to compile absolutely everything together by tomorrow. By that, I mean link the Appendix with the references within the text together as well as add the appendix to the project report.</p> <p>I have around 46 pages at the moment, without having the Conclusion finished so I need to cut some off it. At the moment, the draft is very rough and I am aware that it needs a lot of revisions.</p> <p>I was thinking if I send you the draft by let's say Sunday, could you give me an estimate of when I could expect it back with feedback?</p> <p>Or do you think its the best to send it to you tomorrow as I may be short on time once I get it back?</p> <p>Please let me know.</p> <p>Thank you, Sergiu Tripón</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	15 April 2015 14:44
Subject	Meeting & Project review
Email	<p>Sergiu,</p> <p>It's up to you to decide when you send the draft to me.</p> <p>The later it is the less time there will be for the review, and your reflection on it. However, the later it is the drafts will be fuller, and I could possibly comment on more parts.</p> <p>I need two weeks for the review given my extremely busy schedule in the coming weeks.</p>

Regards
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	15 April 2015 15:21
Meeting & Project review	
Email	
Hi Vladimir,	
Ok, I will send it tonight. Do you have any slots available for a meeting next week?	
Thank you, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	15 April 2015 22:54
Meeting & Project review	
Email	
I am available 13.30-14:00 on Wed 22nd.	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Subject	16 April 2015 00:41
Meeting & Project review	
Email	
Hi Vlad,	
That sounds good. I'd like to take that slot and I'll be coming to the University for the meeting. I've attached the Project Report draft and the appendices that only require minor revisions to this email. Please review them and inform me of your feedback.	
See you Wednesday.	
Thank you, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
	Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)

Sent on	20 April 2015 00:28
Subject	Meeting & Project review
Email	
Sergiu,	
I need to travel abroad from Tue-Fri pm .	
Thus, the only time I can see you is tomorrow at 4.30pm.	
Sorry for the inconvenience.	
Regards	
Vlad	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	20 April 2015 09:17
Subject	Meeting & Project review
Email	
Hi Vladimir,	
Ok, no problem. Does this change affect the progress review also?	
See you at 4.30pm.	
Thank you, Sergiu Tripon	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Lorenzo Strigini (Lorenzo.Strigini.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	20 April 2015 18:45
Subject	Enquiries regarding the Project Report
Email	
Hi Lorenzo,	
After my meeting on Monday with my supervisor, Vladimir, I have a few questions in regards to the Project report:	
Do we need to submit hard copies?	

I know that there was something regarding to this in the Project scheme, which I cannot find anymore. It stated that there was a pending decision on whether hard copies are required to be submitted. There was no other information on this that I received. Has a decision been made on this?

Shall we use first or third person when writing the report?

I was told that there used to be some information on the use of third person in the earlier versions of the Project scheme, but it seems like it has been taken out. Is there a problem with using first person e.g. I or is there a universal recommendation on this?

In the Project Scheme, it stated that the university will distribute a prescribed front page, when will these be released?

It would be great, if you could provide some answers to the question above.

Thank you,
Sergiu

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Lorenzo Strigini (Lorenzo.Strigini.1@city.ac.uk) Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Sent on	21 April 2015 21:46
Subject	Enquiries regarding the Project Report
Email	> Hi Lorenzo, > > After my meeting on Monday with my supervisor, Vladimir, I have a few questions in regards to the Project report: > > • Do we need to submit hard copies? hard copies: not required for the body of the report, there may be a need for some appendices... will post instructions soon. > • Shall we use first or third person when writing the report? > > I was told that there used to be some information on the use of third person in the earlier versions of the Project scheme, but it seems like it has been taken out. Is there a problem with using first person e.g. I or is there a universal recommendation on this? Third person often creates the most unreadable prose; first person creates a temptation of writing in too informal a way and also to forget that the report is about objective facts, or opinion that must be argued on the basis of facts, not subjective feelings. On balance, I normally advise students to use the first person > > • In the Project Scheme, it stated that the university will distribute a prescribed front page, when will these be released? very soon. Regards, Lorenzo

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	25 April 2015 13:34
Subject	Meeting & Project review
Email	<p>Hi Vladimir,</p> <p>I saw that Lorenzo posted new instructions regarding the submission on Moodle. I have questions regarding the instructions:</p> <p>He states: a single file with all the source code written by you (not the source code of libraries that you have used, or re-used code by other authors, or code that was generated automatically). NB this file is just for various checks, including checks for plagiarism; it does not substitute submission of all the code on physical media, required below.</p> <p>This confuses me because as you saw during the demo, my web application consists of several pages. The pages consist both of code written by me, code written by me by using another tool like Bootstrap CSS classes.</p> <p>However, I have one file called "functions" which consists of most of the programming code except some of the PayPal integration and Google Maps integration, as well as the TFL API Integration. All the code within the "functions" file is written by me. The code for the Transport Integration is also fully written by me, so I could add that to the "functions" file. I think this should be enough as the other files consist of mostly HTML code with some jQuery code that handles the form submission or the form validation.</p> <p>My concern is, I'm not sure how much of the code I written needs to be in this one single file. If I had to include all the code written by me from every file within the system, that would take a very long time and a lot of the code would be duplicate or very similar with the exception of the "functions" file.</p> <p>Please let me know what you think and recommend.</p> <p>any non-text, electronic appendices (e.g. audio/video files, numerical/graphical data sets in electronic format): submit on CDs/DVDs or memory sticks</p> <p>As I mentioned, the usability testing output includes video and audio recordings of the usability testing phase. These video were uploaded to YouTube as unlisted, and I created a page within the web application dedicated to the usability testing where the videos can be watched. The links to each video as well as the full lengths video are specified in the usability testing document which is one of the Appendices.</p> <p>My question is, do I still have to provide the videos files on media or not?</p> <p>Please let me know what your opinion is.</p> <p>Thank you, Sergiu</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	25 April 2015 21:58
Subject	Meeting & Project review
Email	<p>Sergiu,</p> <p>Regarding the first question:</p> <ul style="list-style-type: none"> • Lorenzo's message states : "a single file with ALL the source code written by you". Thus I think you ought to include all of the source code written by you <p>Regarding the second question:</p> <ul style="list-style-type: none"> • My understanding is that you supply these videos on a CD/DVD/USB too, despite your statement "these video were uploaded to YouTube as unlisted, and I created a page within the web application dedicated to the usability testing where the videos can be watched." <p>But please double check this with Lorenzo.</p> <p>Regards Vlad</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	25 April 2015 22:52
Subject	Meeting & Project review
Email	<p>Hi Vladimir,</p> <p>Thanks for the reply. The process of creating this single file of all the code we've written will vary from person to person. Some projects may only consist of a few pages, while others have 10s of pages of code. I just wish we were told about this file requirement a bit earlier.</p> <p>Regarding my second question, I agree and I will add the raw mp4 files to the media along with the application.</p> <p>Thank you, Sergiu Tripon</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	26 April 2015 21:48
Subject	Project Report Draft - the review
Email	

Hi Sergiu,

Please see my review of your Project Report Draft attached.

Do consider it together with all the comments/feedback I conveyed to you in the previous meetings/discussions, including the ones during the Final Project Review.

(Please remember that this is a review of a draft of the project report, and as such its depth and breadth are bounded when compared with the assessment of the final summative piece of assessment – the final report)

I have used MS Word Comments and Track Changes features to record my review.

Overall, the draft shows that significant work has been done, and the grammar/spelling/writing style is decent (though further improvements are needed), but please make further effort to provide clear(er) explanations of (particularly difficult) challenges you were faced with, and the ways they were resolved .

Hope this is useful.

Best regards,
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Lorenzo Strigini (Lorenzo.Strigini.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 April 2015 12:18
Subject	Meeting & Project review
Email	
Hi Sergiu,	
I am not sure about what causes you concern. I am sure that the effort required to put together one's own code into one file will vary, but it seems modest in any case, especially compared to printing and binding.	
If I am missing anything, please do let me know.	
Best regards, Lorenzo	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Lorenzo Strigini (Lorenzo.Strigini.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	27 April 2015 13:01
Subject	Meeting & Project review
Email	

Hi Lorenzo,

Printing the code would still involve compiling the file, which is my concern. And if this file will be used to do various check such as plagiarism I don't see why we should have to print it off in the first place, hypothetically speaking. As I mentioned to Vladimir, within my application I have a file called functions which contains all the essential and most important code within the application, the code that manipulates the database and controls the logic of the application. Everything in this file is written by me. A snippet of the code is attached under the name "Important code.png". There are maybe one or two similar files with important code written by me.

Furthermore, I have other files within the application that consist of majority HTML and jQuery code which shape up the form design and validate forms as well as post the data through AJAX processes. I consider this code not as important as the "functions" file due to the fact that is not extremely advanced and is repetitive throughout most of the files. I have quite a few of these files as there are a substantial number of pages that consist of forms. Snippets of code are attached and named "not so important code.png"

When I initially wrote to Vladimir, I wanted to know if I can just submit the function file and the other one or two similar files or do I have to submit absolutely all the code written by me in this one single file. If I only had to do the "functions" file and the other one or two similar files, everything becomes easy as the code is written by me and everything is already in one file pretty much.

If I have to submit everything I written throughout the application, makes everything a bit more difficult because there are about approximately 80 files which consists of code written by me but as I mentioned, it's very repetitive and not so advanced. When I say repetitive, I don't mean identical pieces of code, but very similar e.g. same HTML structure, but form inputs name are different on every form. To compile all these files into 1 will take some time, therefore why I would've preferred to know about this earlier. To me, it seems like a new requirement as I don't remember seeing anything mentioned regarding this within the scheme. In addition to that, prior to the new rules about printing, the scheme didn't state we needed to print any source code, but instead provide on a media type, which we still have to do.

Having said the above, I am still planning in including absolutely all the code written by me in one single file regardless of its importance. I just wanted to explain further what I meant in my previous emails. Hope everything is clear now.

Thank you,
Sergiu Tripon

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	30 April 2015 20:06
Subject	Project Report draft - the review
Email	
Hi Vladimir,	
Thanks for the quick response.	
Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	1 May 2015 21:18
Subject	Project Report draft - the review
Email	
Hi Vladimir,	
Just a point regarding your comment about the following line of the report:	
This obstacle was created due to MySQL requiring a US date format	
Your comment says:	
Not true: the format is configurable in MySQL , see e.g. https://dev.mysql.com/doc/refman/5.5/en/date-and-time-functions.html	
The link you provided refers to date and time function which can be used to manipulate the format of the date and time within SELECT statement for example. I am aware of that, and those functions are already used within the application.	
The challenge mentioned in the report is in regards to inserting a date from the client-side into a column of data type DATE within the database.	
As the following link states:	
Although MySQL tries to interpret values in several formats, date parts must always be given in year-month-day order (for example, '98-09-04'), rather than in the month-day-year or day-month-year orders commonly used elsewhere (for example, '09-04-98', '04-09-98').	
http://dev.mysql.com/doc/refman/5.7/en/date-and-time-types.html	
Regards, Sergiu	

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk)
Sent on	Sergiu Tripón (Sergiu.Tripón.1@city.ac.uk)
Subject	4 May 2015 14:33
Email	
Sergiu,	
Thanks for this.	
But, then MySQL is pretty useless! It mandates a specific date format, unbelievable.	
You got me searching, and (after a brief “google-ing”), I found the following: http://stackoverflow.com/questions/12120433/php-mysql-insert-date-format	

In any case, please do explain clearly in the report what exactly was the issue.

Good luck with the submission!

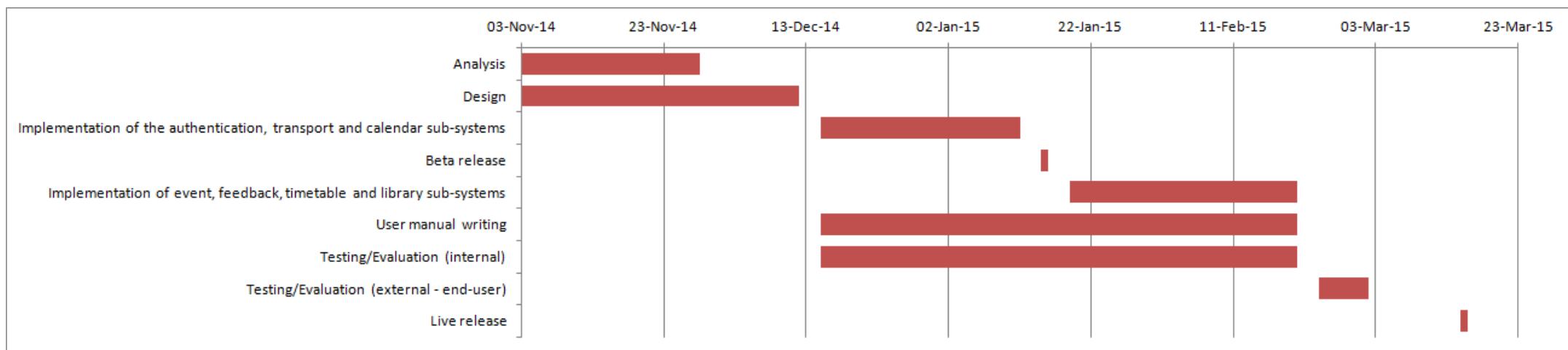
Cheers
Vlad

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	4 May 2015 14:41
Subject	Project Report draft - the review
Email	<p>Hi Vladimir,</p> <p>I wouldn't say it's useless just because of it requiring a specific date format, as the issue is easy to overcome.</p> <p>The recommendation in the link you sent is what I'm using, letting the user input a UK date format, then converting it in the back-end.</p> <p>Thank you, Sergiu</p>

Email participants	Vladimir Stankovic (Vladimir.Stankovic.1@city.ac.uk) Sergiu Tripon (Sergiu.Tripon.1@city.ac.uk)
Sent on	4 May 2015 14:45
Subject	Project Report draft - the review
Email	<p>The word "useless" was used, because any general-purpose SW of that rank, and especially the one that advertised itself as the best open-source DBMS, is too restrictive with such a basic feature.</p> <p>Anyways, let me not divert you from your immediate tasks.</p> <p>Cheers Vlad</p>

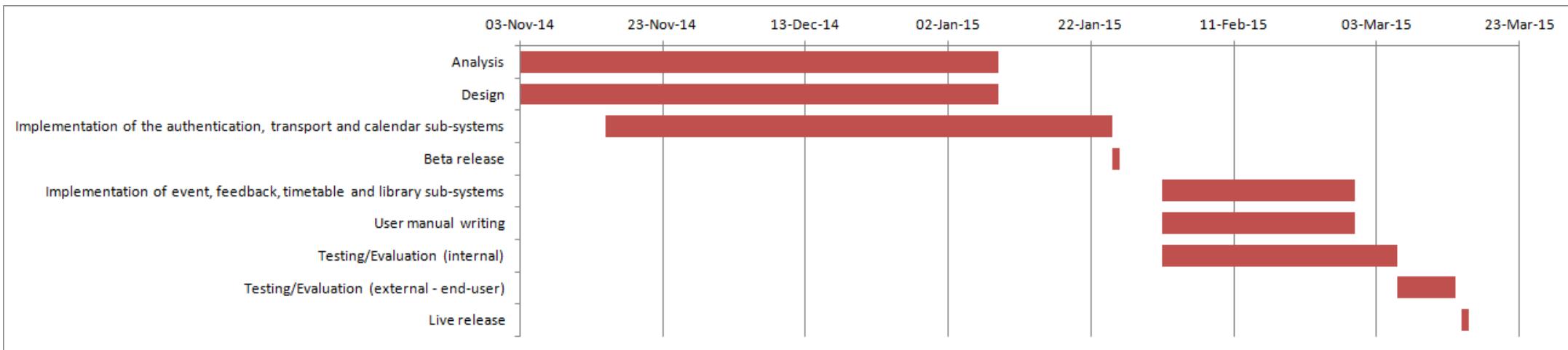
3. Work plan changes

3.1. November to January



ID	Work Packages	Start date	Duration	Due date
1	Analysis	03-Nov-14	25	28-Nov-14
2	Design	03-Nov-14	39	12-Dec-14
3	Implementation of the authentication, transport and calendar sub-systems	15-Dec-14	28	12-Jan-15
4	Beta release	15-Jan-15	1	16-Jan-15
5	Implementation of event, feedback, timetable and library sub-systems	19-Jan-15	32	20-Feb-15
6	User manual writing	15-Dec-14	67	20-Feb-15
7	Testing/Evaluation (internal)	15-Dec-14	67	20-Feb-15
8	Testing/Evaluation (external - end-user)	23-Feb-15	7	02-Mar-15
9	Live release	15-Mar-15	1	16-Mar-15

3.2. February to March



ID	Work Packages	Start date	Duration	Due date
1	Analysis	03-Nov-14	67	09-Jan-15
2	Design	03-Nov-14	67	09-Jan-15
3	Implementation of the authentication, transport and calendar sub-systems	15-Nov-14	71	25-Jan-15
4	Beta release	25-Jan-15	1	26-Jan-15
5	Implementation of event, feedback, timetable and library sub-systems	01-Feb-15	27	28-Feb-15
6	User manual writing	01-Feb-15	27	28-Feb-15
7	Testing/Evaluation (internal)	01-Feb-15	33	06-Mar-15
8	Testing/Evaluation (external - end-user)	06-Mar-15	8	14-Mar-15
9	Live release	15-Mar-15	1	16-Mar-15