**CTEC 228 Final Project**

**Fall 2015**

**Version 1.0 – November 16, 2015**

**Description**

Using the Canvas LMS REST API and PHP, JavaScript, HTML, CSS and MySQL, students are to create a professional looking, responsive, personalized, dynamic dashboard displaying information for the courses they are enrolled in. The dashboard will contain their current grade, upcoming assignments, past assignments, discussion topics, upcoming quizzes, past quizzes and any other relevant information that will make it easier for the student to see their Canvas work.

Students will be demonstrating their projects in class on Monday, December 7, 2015 at 6:30PM.

**DISCLAIMER: Students who are not comfortable displaying their actual grades can use code to show an alternative grade(s) if they prefer. Students can also limit via code which courses they want the instructor to have access to.**

**Details**

Students will be using the skills and techniques learned in the following courses for this project:

CTEC 121 – Intro to Programming

CTEC 122 – HTML Fundamentals

CTEC 126 – JavaScript

CTEC 127 – PHP with SQL I

CTEC 227 – PHP with SQL II

CGT 205 – Web Design 1

**Grading Rubric**

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| --- | --- | --- | --- |
| **Item Description** | **Full Marks** | **Partial Marks** | **No Marks** |
| 60%+ project completed by Monday, November 30th by 6:30pm | 200 points | 100 points | 0 points |
| Valid HTML and CSS | 30 points | 15 points | 0 points |
| Professional Designed Site | 30 points | 15 points | 0 points |
| Dashboard page is responsive | 50 points | 25 points | 0 points |
| Dashboard page displays overall grade for each course | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display upcoming assignments for any given course: | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display past assignments and grade received on assignment for any given course: | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display upcoming quizzes for any given course | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display past quizzes and grade received for any given course: | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display upcoming discussion topics for any given course | 30 points | 15 points | 0 points |
| Dashboard page provides a way to display past discussion topics and grades received for any given course | 30 points | 15 points | 0 points |
| The dashboard pages uses MySQL to store and retrieves data for the dashboard: 30 points | 30 points | 15 points | 0 points |
| The dashboard works with another students Canvas API key (the instructor will supply students with a test API key that they can use for this) | 50 points | 25 points | 0 points |
| Project utilizes PHP sessions: | 20 points | 10 points | 0 points |
| Project does not expose API Key via JavaScript: | 50 points | 25 points | 0 points |
| Project has no complete page refreshes (AJAX and jQuery used) | 50 points | 25 points | 0 points |
| The project makes all API calls to the Canvas LMS via PHP | 50 points | 25 points | 0 points |
| Presentation was professional and effectively demonstrated the students dashboard | 50 points | 25 points | 0 points |
| The project was delivered on time | 30 points | 15 points | 0 points |
| The code was sufficiently commented | 30 points | 15 points | 0 points |
| Links to Canvas items work (assignments, quizzes etc.) | 60 points | 30 points | 0 points |
| **Total Points** | **940 points** | **470 points** | **0 points** |
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