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| Course Management Portal |
| Creative Brief |
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| **Project Name** | Program Coordinator Course Management Portal |
| **Project Stakeholder** | Jérôme Mizon |
| **Stakeholder Assistant** | Victoria Guitard |
| **Desired Launch Date** | TBD |
| **Developmental Budget** | N/A |

**Business Objective**

The web application was created by last year’s level 4 students of the Internet Applications and Web Development Program. It functions as a course management portal for the program coordinator. The objective is to add functionality to the application to make it more holistic.

Currently the application is exclusively used by the IAWD coordinator. The application will be made dynamic in the way that other program coordinators of the Information and Communication Technology Department (ICTD) will be able use it

**Project Description**

* Create a superUser to administer the application
* Ability to upload CSV File
* The application will show enrolled students together with their program of study and their grades for each completed course
* Ability to search for a student. When a valid student is found, the application will display the specific program of study for that student. Each course box will show, when applicable, the student’s grade, and will be colour coded as follow:
  + Green boxes - Passed courses
  + Red boxes - Failed courses
  + White boxes - Outstanding courses
* Ability for the coordinator to change students’ grades
* Ability to send the student an email from the application
* Ability to remove and archive a student from a program of study
* Ability for the coordinator to produce reports
* Only one database will be used for simplicity
* Technology used: PHP and MySQL

**User Profile**

There are two types of users. One will be a superUser, based in the ICTD, which will administer the application. The other type of user will be a program coordinator part of the ICTD.

**Feature Summary**

Added feature of the application will be:

* Changes to the Program of Study view page
* Create a superUser to administer the application
* Create a superUser interface
* Upload CSV files
* Option to select the year of a program of study flow chart
* Personalized program of study flow chart
* Edit Student Info Page
* Create Report Page

**Changes to the Program of Study view page**

* As new functionalities are added to the application, added buttons are needed
* Besides the “Add New Course”, “Manage Users” and “Logout”, these will be added:
  + “SuperUser”, which will only be seen by the superUser, due to the login user role authentication
  + “Edit Student Info”, this will be seen by the superUser and coordinators
  + “Reports”, this will be seen by the superUser and coordinators
  + “Upload CSV File”, this will be seen by the superUser and coordinators

**Create a superUser to administer the application**

* The superUser will:
  + Create users
    - This is done in “Manage Users”
  + Create programs
    - A “Create Program” page will have a form with five(5) fields (“Code”, “Name”, “Version”, “Flowchart” and “Year”) on one side and a list box with the List of Programs on the other
    - There will also be options to update or delete a program
  + Assign a user to a program or programs
    - An “Assign User to Program” page will have a dropdown list of the users
    - Upon selecting a user, a first list box will display the appropriate program or programs assigned to the selected user
    - A second list box will display all the available programs to select from
    - Between the two list boxes will be a “Remove” button and an “Add” button
  + Create courses (a program coordinator can also do this)
    - This is done under the “Add New Course”
  + Assign courses to a program or programs
    - An “Assign Courses to a Program” page will have a dropdown list of the all the available programs in the application
    - Upon selecting a program, a first list box will display all the courses that that are linked to the selected program
    - A second list box will display all the available courses to select from
    - Between the two list boxes will be a “Remove” button and an “Add” button

**SuperUser Interface**

* Arriving from the login page the superUser’s interface will have four (4) buttons:
  + Users
  + Programs
  + Assign User to Program
  + Assign Course to Program

**Upload CSV Files**

* This form will enable coordinators to upload CSV files. The form will have a button to browse for the file and a submit button
* CSV files will contain:
  + Student #
  + Student Name
  + Level
  + Course
* JavaScript will be used to upload the file
* PHP will be used to parse the information from the CSV and store the corresponding fields in the database

**Option to select the year of a program of study flow chart**

* Arriving at this page, the current year of the program of study is the default.
* A dropdown menu with year selection will give the user the option to select past years program of study flow chart.

**Personalized program of study flowchart with colour scheme**

* Upon arrival to this page from the “Student Lookup”, the program of study flowchart specific to the student is displayed. The boxes of the shown courses will have the following colour scheme:
  + Green boxes - Passed courses
  + Red boxes - Failed courses
  + White boxes - Outstanding courses
* The name of the student is displayed.
* The navigation will maintain the “Student Lookup”; however the buttons “Add New Course”, “Manage Users” and “Logout” will be removed. An “Edit Student Info” button will be added, once clicked it will bring the user to the Edit Student Info Page

**Edit Student Info**

* This page will be a form similar to the Manage Registered Students Page.
* The fields (“Student Number”, “First Name”, “Email”, “Phone Number” and “Letter Grade”) will already be filled with the information that is already available on the searched student. These will be editable textboxes
* A list box field will list all the courses in which the student has registered
* If the course has been completed, the “Letter Grade” field will show the grade.
* A Send Email button will give the user the option to email the student
* As in the Manage Registered Student Page, there will be an “Update Student” button, a “Remove Student from Course” and a “Delete Student” button

**Create Report**

* Upon arriving at this page, three options of reports will be available:
  + List of all students who have graduated in a specific program
    - The user selects a program from a dropdown list
    - The user will add the year of program of study in a textbox
    - The result will be displayed with the student name, student number and yes or no under the “Graduated?” column
  + List of students who are missing courses to graduate in a specific program
    - The user selects a program from a dropdown list
    - The user will add the year of program of study in a textbox
    - The result will be displayed with the student name, student number and missing course or courses
  + List of students who have failed one or more courses in a specific program
    - The user selects a program from a dropdown list
    - The user will add the year in a textbox
    - The result will be displayed with the student name, student number and failed course or courses