

Course	CSIS 3280	Section	002	Term	Summer 2020
Professor	Bambang A.B. Sarif				
Project	Student Registration Application				

1. Introduction

This web application will serve as a course registration platform for students. Students will be able to login, view course information, register, pay tuition, and drop courses.

2. Scope

1. Group Members and Responsibilities

- Fernando Viana Maia - 300320728
- Joel Giladi - 300302313
- Qiuming Wei – 300312797

The following table is intended to show how we assigned the project tasks and entities.

Story	Artefacts	Responsible
Database design - Script	data/sql/CourseReg.sql	Joel
DB-Installation page	css/installdb.css controller/InstallDBController.class.php entity/InstallDBPage.class.php	Fernando
Log in/out page	css/styles.css css/login.css inc/entity/LogPage.class.php controller/login.php controller/logout.php	Qiuming

Main controller file Team1.php and common features. Pair programming	Team1.php Inc/utility/Route.class.php utility/LoginManager.class	Joel Fernando Qiuming
Course Registration	inc/entity/RegistrationPage.class.php inc/utility/RegistrationUser.class.php	Joel
User entity	inc/entity/User.class.php inc/utility/UserDAO.class.php	Qiuming
Tuition entity	inc/utility/TuitionDAO.class.php inc/entity/Tuition.class.php	Fernando

2. Features

For the administrator of this web application, automatic database creation is available.

For the final users, the features are:

- Authentication
- Course Registration
- Viewing course information
- Course Dropping
- Tuition payments
- Logout

3. Installation Procedure

See document User_Manual.pptx

4. Technical Concepts

- PDO, Database Connection, CRUD Operations
- Rewriting HTTP requests, Routing
- Session Control
- Inheritance
- Dynamic Form Manipulation

5. Other Capabilities

- ✓ Dynamically invoking of PHP methods – Reflections.
- ✓ Dynamically invoking of PHP functions – Anonymous Functions
- ✓ Performing of regular expressions

6. References

- Reflections: <https://www.php.net/manual/en/reflectionmethod.invoke.php>, PDOService.class, execute_direct(\$queryString, \$parameters) method.
- Late Static Bindings: <https://www.php.net/manual/en/language.oop5.late-static-bindings.php>, SuperPage.class, renderContents() method.
- Background Page: https://unsplash.com/photos/kUqqaRjJuw0?utm_source=lr-vue&utm_medium=referral&utm_campaign=api-credit