**CST-256 Design Report Template**

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| **Topic:** | *Milestone 2: Member and Administration Profiles* | |
| **Date:** | *April 25, 2021* | |
| **Revision:** | *2.0* | |
| **Team:** | 1. *Cameron Deao* | |
| 1. Mercedes Thigpen | |
| 1. Zachary Gardner | |
|  | |
| **Weekly Team Status Summary:** | |  |  |  |  | | --- | --- | --- | --- | | **User Story** | **Team**  **Member** | **Hours**  **Worked** | **Hours Remaining** | | *Preparing programming environment, design report. Database. design* | *Zachary Gardner* | *6* |  | | *Github repository, initial project structure, class design, Database design* | *Cameron Deao* | *12* |  | | *Preparing programming environment, design report. Views* | *Mercedes Thigpen* | *8* |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | | |
| **GIT URL:** | *https://github.com/cmdeao/CST-256-CLC/tree/Milestone2-Submission* | |
| **Screencast URL:** | *https://www.youtube.com/watch?v=ln1aH6rPAMk* | |
| **Peer Review:** | *Y* | We acknowledge that our team has reviewed this report and we agree to the approach we are all taking. |

**Design Documentation**

**Install Instructions:**

*Download and unzip project folder.*

*To view in Eclipse: File -> Import -> Existing Projects into Workspace -> Select Root Directory -> Finish*

**General Technical Approach:**

*As a team we’ll be creating a Professional Networking application. The project will be built within Eclipse and will leverage the open-source PHP framework Laravel alongside Composer.*

**Key Technical Design Decisions:**

*The project will be built utilizing the PHP, HTML, CSS, and JavaScript languages. Alongside the leveraged frameworks, the team will utilize GitHub as the project repository and Sourcetree for version control. Team members will create separate branches during milestone development and merge them into the ‘master’ branch through the use of pull requests.*

**ER Diagram:**

**

**DDL Scripts:**

*-- MySQL Script generated by MySQL Workbench*

*-- Sun Apr 18 20:01:59 2021*

*-- Model: New Model Version: 1.0*

*-- MySQL Workbench Forward Engineering*

*SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;*

*SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;*

*SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';*

*-- -----------------------------------------------------*

*-- Schema mydb*

*-- -----------------------------------------------------*

*-- -----------------------------------------------------*

*-- Schema 256-clc*

*-- -----------------------------------------------------*

*-- -----------------------------------------------------*

*-- Schema 256-clc*

*-- -----------------------------------------------------*

*CREATE SCHEMA IF NOT EXISTS `256-clc` DEFAULT CHARACTER SET utf8 ;*

*USE `256-clc` ;*

*-- -----------------------------------------------------*

*-- Table `256-clc`.`migrations`*

*-- -----------------------------------------------------*

*DROP TABLE IF EXISTS `256-clc`.`migrations` ;*

*CREATE TABLE IF NOT EXISTS `256-clc`.`migrations` (*

*`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,*

*`migration` VARCHAR(191) NOT NULL,*

*`batch` INT(11) NOT NULL,*

*PRIMARY KEY (`id`))*

*ENGINE = InnoDB*

*AUTO\_INCREMENT = 4*

*DEFAULT CHARACTER SET = utf8mb4*

*COLLATE = utf8mb4\_unicode\_ci;*

*-- -----------------------------------------------------*

*-- Table `256-clc`.`password\_resets`*

*-- -----------------------------------------------------*

*DROP TABLE IF EXISTS `256-clc`.`password\_resets` ;*

*CREATE TABLE IF NOT EXISTS `256-clc`.`password\_resets` (*

*`email` VARCHAR(191) NOT NULL,*

*`token` VARCHAR(191) NOT NULL,*

*`created\_at` TIMESTAMP NULL DEFAULT NULL,*

*INDEX `password\_resets\_email\_index` (`email` ASC) VISIBLE)*

*ENGINE = InnoDB*

*DEFAULT CHARACTER SET = utf8mb4*

*COLLATE = utf8mb4\_unicode\_ci;*

*-- -----------------------------------------------------*

*-- Table `256-clc`.`users`*

*-- -----------------------------------------------------*

*DROP TABLE IF EXISTS `256-clc`.`users` ;*

*CREATE TABLE IF NOT EXISTS `256-clc`.`users` (*

*`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,*

*`name` VARCHAR(191) NOT NULL,*

*`email` VARCHAR(191) NOT NULL,*

*`age` INT(11) NOT NULL,*

*`username` VARCHAR(191) NOT NULL,*

*`password` VARCHAR(191) NOT NULL,*

*`remember\_token` VARCHAR(100) NULL DEFAULT NULL,*

*`created\_at` TIMESTAMP NULL DEFAULT NULL,*

*`updated\_at` TIMESTAMP NULL DEFAULT NULL,*

*PRIMARY KEY (`id`),*

*UNIQUE INDEX `users\_email\_unique` (`email` ASC) VISIBLE)*

*ENGINE = InnoDB*

*AUTO\_INCREMENT = 7*

*DEFAULT CHARACTER SET = utf8mb4*

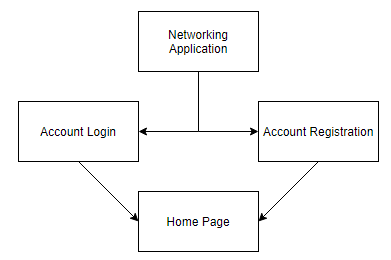
*COLLATE = utf8mb4\_unicode\_ci;*

*SET SQL\_MODE=@OLD\_SQL\_MODE;*

*SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;*

*SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;*

**Sitemap Diagram:**



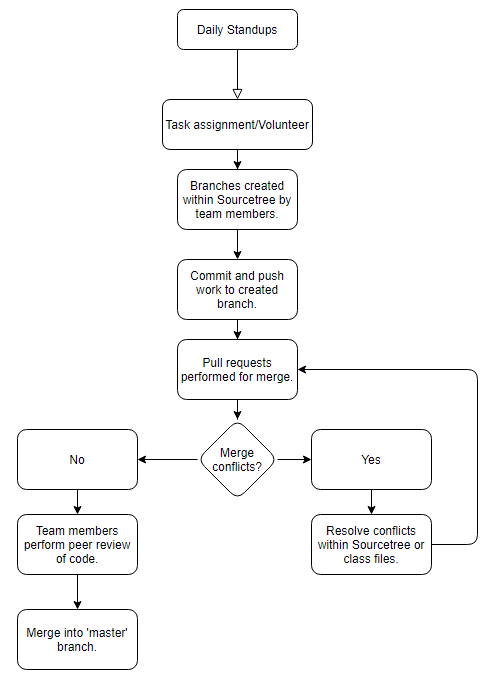
**Security Design:**

*Authentication and authorization will be achieved through the service classes and the Laravel framework. User submitted data will be stored within the appropriate tables of the database, and a form of encryption will be introduced to securely store passwords.*

**Third Party Interface Design:**

*Currently no Third Party Service Interface APIs are planned to be consumed. As planning and development progresses various options may be leveraged.*

**Flowcharts:**



**User Interface Diagrams:**

*N/A – Currently no user interface diagrams exist for the application due to establishing development environments, establishing the repository, and creating the initial login and registration. As new views are discussed for the application diagrams will be created.*

**Class Diagrams:**

*N/A – Currently the only classes that exist within the application are the login and registration controllers. Both utilize a single method for inserting user submitted data and retrieving the data for the login process.*

**Pseudo Code:**

*N/A – Currently no pseudo code exists within the application. This section will be updated as necessary as we move further into production and development.*

**Other Documentation:**

*N/A – Currently no additional drawings, storyboards, or schedules exist. This section will be updated as necessary as we move further into production and development.*