Documentation for Future Developers

The site is organized into three general components: PHP, SQL, and Front End. The Front\_End contains the HTML, PHP, JavaScript, and images for the login page, home page, search and add page, about page, student and TA profile pages, and admin pages. Header.php, Sidebar.php, and check\_logged\_in.php inject javascript into the admin.php, student.php, and TA.php files. The admin.php file allows an admin to have control over all students, TAs, and courses registered on the site. Login.php logs the account on or redirects to the Register.php page if the user doesn’t have an accound already. If the user’s account is registered as a student the page redirects to Student.php, and if the user’s account is registered as a TA, the page redirects to the TA.php page. Logout.php logs the user’s account out and redirects to the Login.php page.

The database contains two main databases, the User.php and Course.php files, which exist within the PHP folder and are connected by relational tables within relations.php. Relations.php contains various functions that connect the users’ information to a table of student courses or TA courses and connect the course information in the Courses.php to student courses and TA courses. The user information in Users.php is connected to a relational table of passwords to ensure that they are secure.

A PHP back end was built so that when using information on the front end, we don’t need to directly query the database. The back end contains scripts to process the user data and act as an in-between for AJAX requests and the database. This area also properly queries the database for the data and parses and returns the data as JSON files.

Installation and Configuration

1. Add (and insert appropriate dir path) the following to your httpd.conf file:

<Directory “path\_to\_root\_of\_Web\_Sys\_Development”>

AllowOverride All

Options None

Require all granted

</Directory>

1. Add (and insert appropriate dir path) the following to your httpd-vhosts.conf file:

<VirtualHost \*>

DocumentRoot “path\_to\_root\_of\_Web\_Sys\_Development”

ServerName TaScheduler

</VirtualHost>

1. Add the following to your windows hosts file:

TaScheduler 127.0.0.1

1. Start Apache & MySQL
2. Open TaScheduler/install.php in a browser and enter your MySQL root/admin username and password.
3. Typer the domain name TaScheduler to visit the website
4. Login with the following username/password combinations:

* mahonk3@rpi.edu / mahonk3
* ta@test.com / testtesttest
* admin@test.com / admin
* allflags@test.com / allflags







