**ClassNotes**

Norman Fong & Henry Zakay

ClassNotes is a platform for students to engage together with their classmates and others to study and teach what they’re learning in class. The objective of ClassNotes is to bring together students of different levels and understanding to create a community of learning and growth. It is a combination of an online collaboration project, an encyclopedia, and features questions and answers in a forum.

Students start by logging in and picking (or creating) their classes. Once a class is chosen, students can add their notes to each lesson, share files, and make comments together to improve their understanding of the material. As time passes more and more students can add or read from the previous classes and create a library of understanding. Users can then add notes or make changes to the articles to improve the article. (Think Wikipedia)

Classes will also have forums which will allow users to ask questions and post answers to issues people had or problems they couldn’t solve. Users can then vote questions and answers up (not down). They also have a small profile with a list of their classes, questions, answers, and notes. Each contribution a user makes increases their level, upvoted comments and lessons also increase a user’s level. (Think StackOverflow/Reddit)

Technology Used:

* PHP
* HTML
* CSS
* JavaScript

Special Features:

* Donate to ClassNotes (PayPal)

Additional Libraries:

* TWIG
* Composer
* PHP Slim
* MeekroDB
* Monolog
* Fail2Ban? (prevent login attacks)

Challenges:

* Up Voting
* Highlighting Comments/Changes
* Facebook / Twitter / Google Login
* Mailing List

List of URLs:

* /
* /index
* /master
* /login
* /login\_success
* /logout
* /logout\_success
* /register
* /register\_success
* /create\_class
* /create\_class\_success
* /create\_lesson
* /create\_lesson\_success
* /class/{id}
* */class/{id}*/lessonName
* */class/{id}*/ lessonName /edit
* */class/{id}*/ lessonName /forum
* */class/{id}*/forum
* /class\_not\_found
* */class/{id}*/lesson\_not\_found
* /error\_access\_denied
* /error\_internal

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DATABASE DESIGN:

Users {userid, name, email, password, level}

Classes {classid, name, semester, year, *userid*, level}

Lessons {lessonid, title, date, body, *classid*, *userid*, filepath, upvote}

Comments {commentid, body, date, *userid*, filepath, upvote}