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CS 34 -- Know It's Off  
Code review changelog  
May 15, 2020

### Code review feedback and response.

Review	Suggestion/Issue	Change	Change Reasoning
Code review 1, 6	There was not enough information on what Yarn is or what it does	Provided information on Yarn by providing a link in the ReadMe, linking to the homepage and Getting Started page.	For people who haven't used Yarn before, it can be understandably confusing. We hope this fixes that by providing introductory information on what Yarn is and how it is used, as well as installation and usage.
Code review 1, 2, 5, 6, 7	Master branch is bugged, undefined name error when starting server	Merged correctly working auth branch into master branch	We forgot to merge our correctly working branch into the master branch. It is generally bad practice to leave the master branch bugged, but unfortunately tracing where the bug originated can be a difficult task.
Code review 1	Use more liberal use of whitespace	[None]	Whitespace on Python is restricted due to the nature of the language, and excess whitespace can bloat how long it takes to scroll through a file. We have decided to not make any changes with respect to this feedback.
Code review 1, 6	Add tests for each route to the server (unit testing)	[None]	Unit testing isn't necessarily feasible server side in the codebase, but we have been using testing with reqbin and Postman, which sit outside the codebase. We will consider adding these Postman tests to the codebase to those who want to use Postman in the future -- we have already excessively cluttered the project tree, which may warrant creating a fresh repo for testing

Code review 3	Add more directories to organize the code	Message checking and alert system operations have been moved into a separate directory	Many of the files need to sit in the root directory of the project, such as main.py, .gitignore, license, and readme. We have moved several files which don't need to sit in the root directory so that it isn't as cluttered upon viewing the code repo.
Code review 6	Readme inaccuracy -- the config.py file is database_config.py	The Readme has been updated to reflect the correct filename	The config.py file was renamed to database_config.py to enhance the clarity and purpose of the file, but it was not updated in the Readme. This has been fixed.
Code review 7	Add more clarity within files -- rename variables more explicitly and add comments	Comments have been added to explain complex tasks or complex ideas within code.	Our code was sorely lacking comments, however, we feel that our variable names are very explicit in what they are doing, but even then an explicit variable can still use context or explanation with comments.
Code review 2	Add more detail to the Readme	More explanation on the overall project structure and goals of the project are discussed in the Readme.	Better to have more writing than not.
Code review 2	Build projects using NPM instead of Yarn	[None]	There is support for building the client side code with both NPM and Yarn, as specified by the Readme in the myClient directory.
Code review 3	myClient/build is unreadable	[None -- this is directory is not supposed to be human readable]	The build folder inside the client directory is compiled javascript, This build directory is automatically generated from the build process as a result of the yarn build. This directory does not need to be viewed/reviewed.
Code review 5, 7	Security concerns -- can unauthorized users access pages on the server	[None]	We are using the flask_login package to specifically prevent unauthorized entry. We are also using HTTPS for origin integrity and confidentiality. The author of code review 5 is completely correct in his assessment that HTTPS alone is not sufficient security.