

- All students set up continuous integration for their respective individual Django projects GitHub Repositories
- All students set up Initial Test Suites (no unit actual tests are **required** yet , but they are of course welcomed) for their respective individual Django projects that the students submitted as part of homework 1.

This includes:

- Configure Travis CI to automatically run your build on push/pull requests to github
 - <https://docs.travis-ci.com/user/tutorials/tutorials-overview/>
 - Configure .travis.yml file with all the following requirements in this assignment
- Deploy the app to AWS EB upon successful completion of the tests following this guide: <https://docs.travis-ci.com/user/deployment-v2/providers/elasticbeanstalk/>
- Check code formatting with “black”
 - <https://github.com/psf/black>
 - Note that black can be used with “--check” to validate a source tree without reformatting it
- Check flake8 linter
 - <http://flake8.pycqa.org/en/latest/>
 - By default flake8 might conflict with black. Consider adding a rule to a .flake8 file to set the maximum line length accepted by flake to 88 to match black
 - For other more specific disagreements between black and flake8 you can line-by-line input comments that enables flake8 to ignore a particular warning. These look like “# noqa: ”
- Check test suite code coverage with coverage.py and coveralls
 - <https://coverage.readthedocs.io/>
 - <https://coveralls.io/>
 - <https://pypi.org/project/coveralls/>
 - Use coverage.py to run your test suite and use coveralls to report the code coverage of those tests

- Display a build-status and code-coverage badge on the README.md page of

your repository similar to this:

- (don't worry about the actual % and "passing" or "failing" yet.
- Enable “Require status checks to pass before merging” on your repository
 - You can find this by going to your github project and clicking “Settings -> Branches -> Add rule” then typing the name of your branch (maybe “master”)
 - Alternatively you can use the url below substituting your github ID/repo
 - https://github.com///settings/branch_protection_rules/new
- You can see an example implementing these features here:
 - Travis config example: <https://github.com/jackxujh/swe1-app/commit/f22a5f487860c5a5c9c3c219d3be64ab471ee968>
- Submit your working URL of Travis Dashboard, deployed url and GitHub repo.
 - Definition of DONE:
 - As a TA I know that this is DONE when
 - I open a PR against your repo and I see the Travis CI PR build start
 - If there are any flake8 violations or black formatter issues Travis will mark this build red meaning the build “failed”.
 - Example: <https://github.com/jackxujh/swe1-app/pull/3/checks> see Checks Failed
 - The app gets successfully deployed to EB upon successful completion of the tests

Have fun! :)