

# INF200\_H21\_Ju08

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## 1 INF200 Lecture No. Ju08

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### 1.0.2 9 June 2022

### 1.1 Things to do today

#### 1.1.1 Merge to main

- If you have not merged to `main` for several days, merge to main
  - Only main branch will be evaluated
  - Merge to `main` now
  - From now on, use branches for smaller tasks and merge regularly to main
  - This will
    - \* ensure that you can roll back if an intended improvement does not work
    - \* avoid stressful large merges on Wednesday afternoon

#### 1.1.2 Tagging

- Practice tagging
  - If you haven't done it yet, practice adding tags to your repo
  - See *INF200\_H20\_GitTags* video on Panopto

#### 1.1.3 Code style

- Check your code style
  - Run `flake8 src tests` in Terminal
  - Fix problems
  - If `flake8` complains about lines longer than 79 characters, either
    - \* update your `setup.cfg` file with `[flake8] max-line-length = 100`
    - \* run `flake8 --max-line-length=100 src tests`
  - PyCharm > Code > Code Cleanup can help, but may not fix everything
- Remove commented-out code

#### 1.1.4 Reference scripts and tests

- Make sure reference scripts run
  - Scripts in `reference_scripts` folder shall work *without modifications*
  - They may not produce all expected output, but they shall run through
- Make sure interface tests pass

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- test_biosim_interface.py shall pass
- If not all tests contained pass, the test should at least not crash
- Example of a crash (avoid this):
  from biolab.bacteria import BacteriaX
  E ImportError: cannot import name 'BacteriaX' from 'biolab.bacteria' (/Users/plesser/...

collected 17 items / 1 error / 16 selected

!!!!!!!!!!!!!!!!!!!! Interrupted: 1 error during collection !!!!!!!!!!!!!!!!!!!!!
===== 1 error in 3.26s =====

Process finished with exit code 2

```

### 1.1.5 Documentation and packaging

- Make sure documentation builds
  - In Terminal `cd docs` `make html` should work and create documentation with entry point at `docs/_build/html/index.html`
  - **Do not commit the `_build` directory!**
- Make sure you can build a package
  - In Terminal (in your main project directory) `python -m build` should work and create distributable files in the `dist` directory
  - **Do not commit the `build` and `dist` directories!**
- Make sure you can run tests via `tox`
  - In Terminal (in your main project directory) `tox` should run all your tests.

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