Durham University

Wrap-Up & Coursework Guidance

COMP51915 – *Collaborative Software Development*

Michaelmas Term 2024

Christopher Marcotte[1]

[1] For errata and questions please contact christopher.marcotte@durham.ac.uk

Synthesizing Professional Skills

1. Using version control
   - Back up your work, and sometimes disseminate it
2. Build systems – Automate your build
   - Ensure that builds are consistent by using a build tool
3. Automate your testing infrastructure
   - Ensure your tests cover essential features
   - Use opportunity to professionalize work, e.g. *linting*.
4. Run your build and tests on every commit
   - Continuous integration saves you tedious effort

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These are some essential steps for producing reliable software.

Coursework Goals

Your coursework is a group effort to demonstrate your skills with:

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2. version control;
3. build systems;
4. testing;
5. and continuous integration;

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– **this is *not* a test of your programming skill**.

Coursework Expectations

You will be assigned groups on BlackBoard Ultra.

You will be forking a github repository.

You will implement a few tests and demonstrate relevant skills.

You will engage in peer review of your groupmates.

For assessment you will
1. briefly *present* your work as a group, and
2. share your repository.

Any work not unobservable in the repository will not be marked.

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We will allocate groups in the Friday session.

To register your group and it's members, you will email:

- your group name (pick something fun, unique, *appropriate*); and
- each group members' name
- each group members' student ID (e.g., `abcd12`).

As well as record this on paper for submission at the close of the workshop.

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You will submit the form **no later** than the day of your presentation.

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Should Not:

- Be a detailed slide-deck
- Walk us through contributions
- Go through code line-by-line
- Explain the content of your tests

Should:

- Present your rationale
- Plan for ***8-10 minutes*** *per group*
- Present content creatively
- Keep content in the repository

Why you have made decisions, rather than implementation details.

***Coursework* is due on 15 November 2024.**