Computer Science D01
University of Toronto Scarborough

Project Deliverable #5

---

1 What you will do

For this deliverable (yes, you knew this all along!), you will design, implement, and test a new feature for `matplotlib`.

2 What to submit

1. Implement your feature!
2. Fully document your feature. Include a User Guide (in the style similar to `matplotlib` tutorials).
3. Fully document the design of your code. Describe the organization of new code, as well as all interactions between new code and existing code. Of course, UML diagrams would be very helpful here. Most likely, your design is somewhat different from your plans in the previous deliverable. Include a paragraph that explains the differences, if any.
4. Submit your test suite from the previous deliverable: it, too, most likely needed to be modified and extended. Recall that these should be designed as "customer acceptance" tests: i.e. a description of the steps a user needs to carry out to check that the program works as expected.
5. In addition to the acceptance tests, submit a unit-test suite.
6. The full report needs to be in your repository by the end of the last day of classes.

2.1 Marking

- Implementation. (50 marks)
  - Correctness. (30 marks)
  - Quality, maturity, style, documentation of the code. (20 marks)
- Testing. (20 marks)
  - Acceptance testing. (10 marks)
  - Unit testing. (10 marks)
- User Guide(s). (5 marks)
- Design document. (5 marks)
- Evidence of good software development process. (10 marks)
- Amount of work done compared with other teams (NOT number of features, but overall contribution). (10 marks)
- Presentation and Quality of Writing. (5 marks)