CIS*2750 A4 Demo Instructions for Students

There is a ***zero-tolerance*** policy in effect for unprofessional behaviour towards the TAs. If you have any issues with the demo or the grading of the demo, please contact the course instructor after the demo.

Practise all the following steps before your demo. You will only have 5 minutes to complete the demo. If something goes wrong, you will still only get 5 minutes (in the event something goes wrong beyond your control we will reschedule your demo rather than delaying all the other students' demos).

1) Arrive early enough to set up your computer. You can work on the machines in THRN 2418, or bring you own laptop, but you must run your code on a SoCS server (No machine, ssh, SoCS VM).
2) Retrieve your code from the GitLab repository.
3) Run `git log` in a terminal window. Leave that window showing the git log.
4) Make sure there are no elements or molecules in your table to start.
5) Put the 3 molecules (water, caffeine, iso-pentanol) previously provided into a directory (e.g. your home directory) that is ***not*** the same directory as your web-server.
6) In a different terminal window, enter the command to start your server, but don't hit return until the TA arrives.
7) Wait for the TA to arrive.

After the TA arrives:

8) Spell your login ID to the ID and tell them your student ID number.
9) Show them the window with the git log.
10) Start your server (make sure you know the port number).
11) Connect your web-browser to your server and let the TA see the landing page.
12) Add 5 elements to your system via the web-browser explain each step to the TA as you go:

    Hydrogen (H); element 1, radius 25, colours: 'FFFFFF', '050505', '020202'
    Carbon (C); element 6, radius 40, colours: '808080', '010101', '000000'
    Nitrogen (N); element 7, radius 40, colours: '0000FF', '000005', '000002'
    Oxygen (O); element: 8, radius: 40, colours: 'FF0000', '050000', '020000'
    Titanium (Ti); element 22, radius: 40, colours: 'A0B0B0', '010202', '000000'
13) Remove Titanium.

14) Upload all 3 molecules to your system.
15) Select each of the molecules in turn and display each one to the the TA without reloading them to the server.
16) Demonstrate the rotation feature of your software.

17) Allow the TA to test the system. You will be using the keyboard and mouse, but the TA will be directing you where to click and what to type. You must follow the TAs instructions exactly, even if it isn't the correct way to use your software or may make your software fail.

18) Shut down your sever and logout.
19) Leave the lab room. Do not disturb other students doing demos or watch other demos.

Grading Rubric

Students Login: Student ID: Date/time:

Ability to add/remove elements	Outstanding, no issues 5	Good, Minor issues 4	Satisfactory, Some limitations 3	Unsatisfactory, Doesn't work properly 2		Not implemented 0
Ability to upload sdf files from browser	Outstanding, no issues 5	Good, Minor issues 4	Satisfactory, Some limitations 3	Unsatisfactory, Doesn't work properly 2		Not implemented 0
Ability to select any uploaded molecule	Outstanding, no issues 5	Good, Minor issues 4	Satisfactory, Some limitations 3	Unsatisfactory, Doesn't work properly 2		Not implemented 0
Display of molecule (atoms, bonds, colours, x,y,z locations)	Outstanding, no issues 10	Good, Minor issues 8	Satisfactory, Some limitations 6	Unsatisfactory, Doesn't work properly 4		Not implemented 0
Ability to see molecule from multiple angles	Outstanding, no issues 10	Good, Minor issues 8	Satisfactory, Some limitations 6	Unsatisfactory, Doesn't work properly 4		Not implemented 0
Visual presentation	Presentation looks clean 5	Presentation could be improved 4	Presentation is poor 3	Presentation is very poor 2		Not implemented 0
Navigation and interaction is obvious	Obvious, easy to use 5	Some things a bit confusing / surprising 4	Interface is not intuitive and hard to use 3	Interface is very poor and very had to use 2		Interaction is impossible 0
Information presented is clear	Everything is clear 5	Some things a bit unclear 4	Many things unclear 3	Almost everyting is unclear 2		Incomprehensible 0