CMPT 141 - Using PyCharm in the SPINKS Labs

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Part I
Using PyCharm on the Windows Lab Computers

Starting PyCharm on Windows
To start PyCharm on the Windows lab computers:

click on the start menu and enter `PyCharm` in the search box;

find the PyCharm application in the search result and click on it to start it.

First Time Startup and Configuration (Windows Labs)
The first time you start PyCharm, you'll be presented with some dialog boxes with some or all of the following questions:

1. Complete Installation: selection "I do not have a previous version of PyCharn" and click OK.
2. Click "Accept" for the privacy policy agreement.
3. PyCharm License Activation (If you are starting the Community Edition, you will skip this step.):

    Select the "License Server" option

    Enter `http://geb.usask.ca:8080` for the server location. **Note:** PyCharm may enter the server location for you on some machines.

    Click "Activate"
4. Customize PyCharm: Click "Skip All and Set Defaults" (or go through the screens and select desired options if you really want to).

Finding the Anaconda Python Installation (Windows Labs)
Pycharm will be aware of the location of Anaconda, but you have to tell PyCharm to use it instead of the default python version each time you create a new project. To do this:

1. In the bottom right corner, there is a 'configure' button. Click it and select 'settings'
2. Select 'Project Interpreter' and click on the gear icon beside it.
3. Choose 'add'
4. Select 'New Environment'
5. From there, select 'Base Interpreter' and set it to (on Windows) `C:\ProgramData\Anaconda3\python.exe`
6. Select 'ok', then 'apply', then 'ok'

Part II
Using PyCharm on Linux Lab Computers

Starting PyCharm on Linux
There are two ways to start PyCharm on the Linux lab computers:

Look in the menus under "Development".

or

Type `/usr/local/bin/pycharm` at the terminal.

First Time Startup and Configuration (Linux Labs)
The first time you start PyCharm, you'll be presented with some dialog boxes with some or all of the following questions:

1. Complete Installation: selection "I do not have a previous version of PyCharm" and click OK.
2. Click "Accept" for the privacy policy agreement.
3. PyCharmn License Activation (If you're starting the Community Edition, you'll skip this step.):

    Select the "License Server" option

    Enter `http://geb.usask.ca:8080` for the server location. **Note:** PyCharm may enter the server location for you on some machines.

    Click "Activate"
4. Customize PyCharm: Click "Skip All and Set Defaults" (or go through the screens and select desired options if you really want to).

Finding the Anaconda Python installation (Linux Labs)
Sometimes PyCharm doesn't automatically find the Anaconda python installation on the Linux lab machines. If you need to tell PyCharm where to find it, the location is:

`/usr/local/bin/python3`

Part III
Using PyCharm on Mac Lab Computers

Starting PyCharm on OSX
There are two ways to start PyCharm on the Mac lab computers:

    Find PyCharm in the Applications folder

    or

    Click on it from the Launchpad (Launchpad can be opened from the dock).

First Time Startup and Configuration (Mac Labs)
The first time you start PyCharm, you'll be presented with some dialog boxes with some or all of the following questions:

1. Complete Installation: selection "I do not have a previous version of PyCharm" and click OK.
2. Click "Accept" for the privacy policy agreement.
3. PyCharmnPyCharm License Activation (If you're opening the Community Edition, you will skip this step):

    Select the "License Server" option

    Enter `http://geb.usask.ca:8080` for the server location. **Note:** PyCharm may enter the server location for you on some machines.

    Click "Activate"
4. Customize PyCharm: Click "Skip All and Set Defaults" (or go through the screens and select desired options if you really want to).

Sometimes PyCharm doesn't automatically find the Anaconda python installation on the Linux lab machines. If you need to tell PyCharm where to find it, the location is:

`/usr/local/anaconda/bin/python`