

Lab sheet 0: Getting Started

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Attempt both tasks (0A and 0B) in the lab. This exercise is marked out of 5marks (you have until next week Monday 7th march 2016).

Create your local copy of course repository using SVN

Similar to SD1 we will be using a SVN repository for keeping our code safe. There are several ways of doing that within Eclipse. Here is what I recommend:

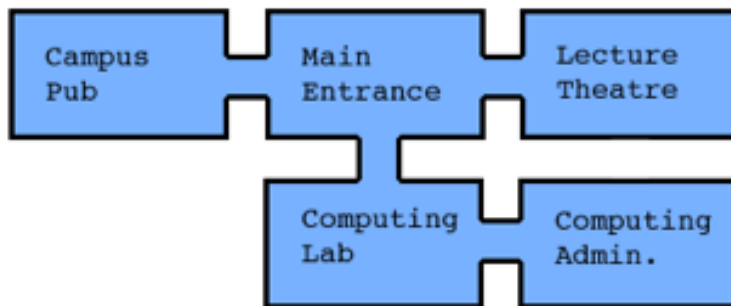
1. Disconnect your old SD1 code from the repository.
2. Switch to the SVN view. You should still see our old repository called "F27SA".
3. If not, reconnect with: <https://www.macs.hw.ac.uk/svn/F27SA1>
4. Right click on the folder "SD2" and select "Check Out".
5. Make sure you have the code for labs 1-3:
 - a. Lab1 = World-of-Zuul
 - b. Lab2 = Network
 - c. Lab 3 = Foxes-And-Rabbits
6. Delete your old branch (under SVN view).
7. Create a new branch (Java View → Team → branch).
8. Switch to your own branch (which should be named after your MACS user name) and commit the SD2 code there.

If you have problems to create repository using SVN, just download, extract and import the zip folders into your workspace in java eclipse.

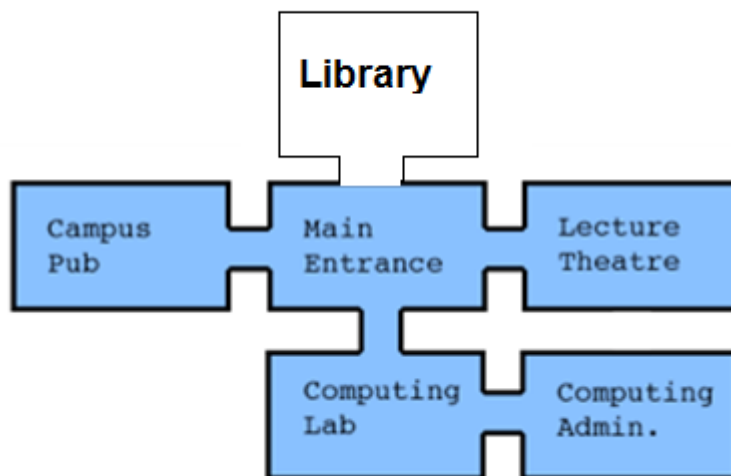
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 - a. Lab1 = World-of-Zuul
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Task 0A: The (Bad) World-of-Zuul

The Current World of Zuul



1. Look at the ZuulBad example: Can you spot any bad design (based on your knowledge so far), try to run and understand how it does work.
2. Add a new room in the North of the Main Entrance; call it 'Library' as shown below.



3. Add two new directions to the 'World of Zuul' for multi-storey buildings, e.g. dungeons (add a lift or elevator in any room you like):
 - "up"
 - "down"
4. In the current World of Zuul you already have the following commands 'help', 'go', and 'quit'. Add a new command 'where' ~ where am I to display your current location.

What do you need to change to do this?

How easy are the changes to apply thoroughly?

Task 0B: The (Better) World-of-Zuul

1. Look at the ZuulBetter examples (zullBetter, zullEnums v1, and zullEnums v2): Can you spot Great update full of features and improvements (based on your knowledge so far).
2. Repeat Task 0A (Q1 – Q4) using the best version of Zuulbetter).

Comparing to zullBad, how easy are the changes to apply thoroughly?

References:

- Ben Collins-Sussman, Brian W. Fitzpatrick, C. Michael Pilato: Version Control with Subversion [DRAFT]. 2012
<http://svnbook.red-bean.com/nightly/en/index.html>
- Subclipse Usage: Tips & Tricks. Copyright © 2003-2007 University of California.
<http://ist.berkeley.edu/as-ag/tools/usage/subclipse-usage-tips.html>