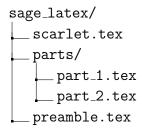
## EXERCISE 1

Let's try use some of the things we learnt in the last section. If you get stuck at any point put your hand up and I'll come over to help.

Create a folder titled sage\_latex on your computer. Download *this file* and save it in the folder which you just created.

- 1. Check that you can compile the file you just downloaded (scarlet.tex).
- 2. Extract the preamble from scarlet.tex and save it in its own separate file. You should name this separate file preamble.tex.
- 3. Use the \include command to insert preamble.tex into scarlet.tex. Ensure that you can still compile scarlet.tex.
- 4. Create a new folder called parts. Extract the parts from scarlet.tex and put them in their own separate files within the parts folder. Your folder structure should now look like the following:



Ensure that you can still compile scarlet.tex with this new folder structure.

- 5. Create a folder fig/ within sage\_latex/. Download a detective-related image (think pipes, magnifying glasses etc.) and save it in the new fig/ folder.
- 6. Add the fig/folder to graphicx's graphicspath.
- 7. Include your detective image on the book cover. Your call to \includegraphics should *not* reference the fig/ folder.
- 8. If you get this far try setting up your own thesis template. If you're in the School of Maths, Stats & Physics consider using *the thesis template provided on the wiki*. Alternatively, take a look at other templates online; I'd also recommend having a look at the *classic thesis template*.