Vershon control

(using git)

Danny Awty-Carroll

May 14, 2018

Sections

This will focus on using git in windows with a UI

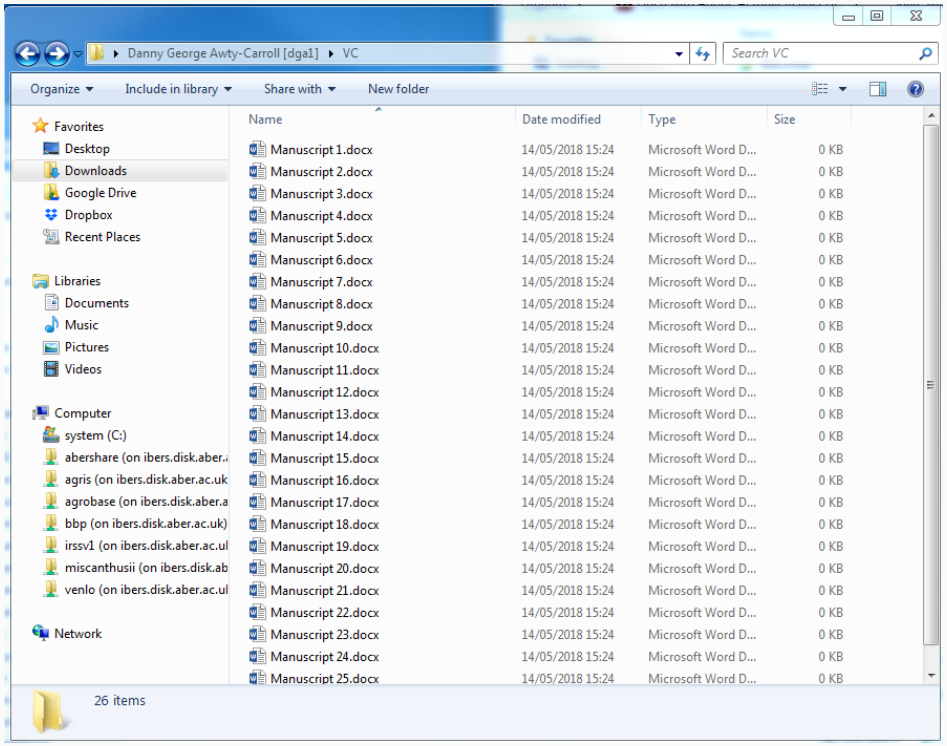
1. Why version control?
2. Version control system
3. Conclusions

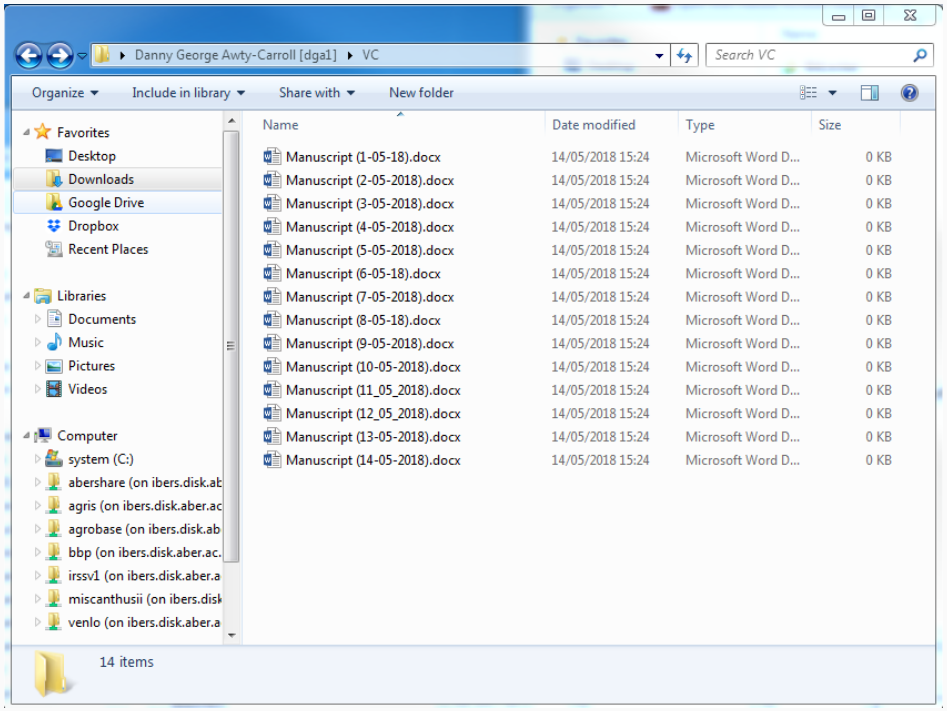
Why version control?

What is version control

This is just the manigment of vershons of a document.

One document through time.





All of us use some version control

Where things get complicated

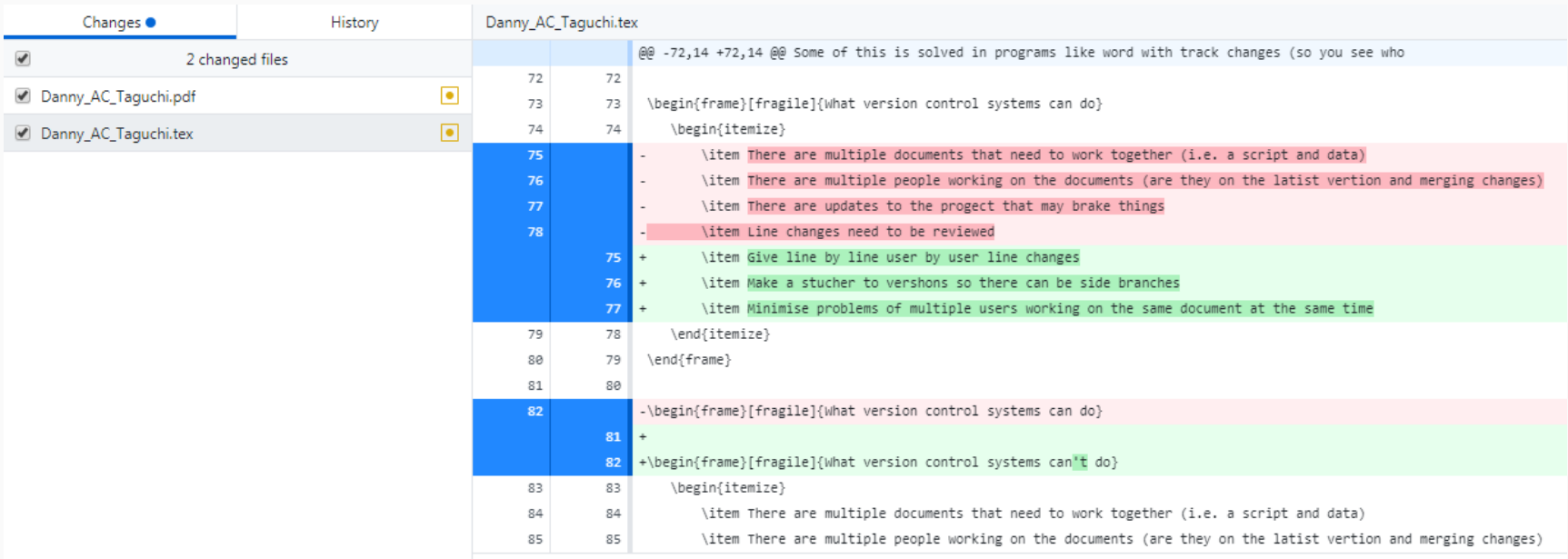
Numbering or dating documents works OK but can fall down when

- There are multiple documents that need to work together (i.e. a script and data)
- There are multiple people working on the documents (are they on the latist vertion and merging changes)
- There are updates to the progect that may brake things
- Line changes need to be reviewed

Some of this is solved in programs like word with track changes (so you see who altered what when)

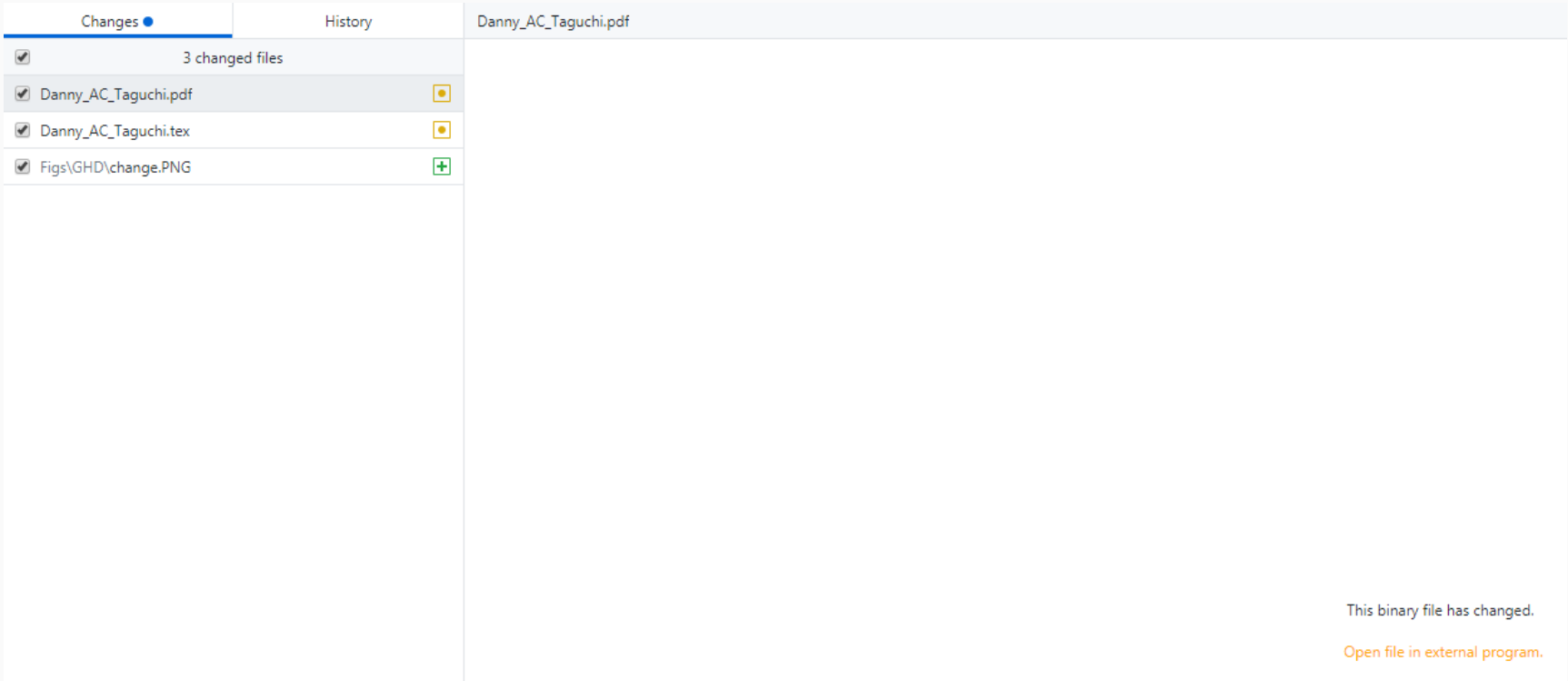
What version control systems can do

- Give line by line user by user line changes
- Make a stucher to vershons so there can be side branches
- Minimise problems of multiple users working on the same document at the same time



What version control systems can't do

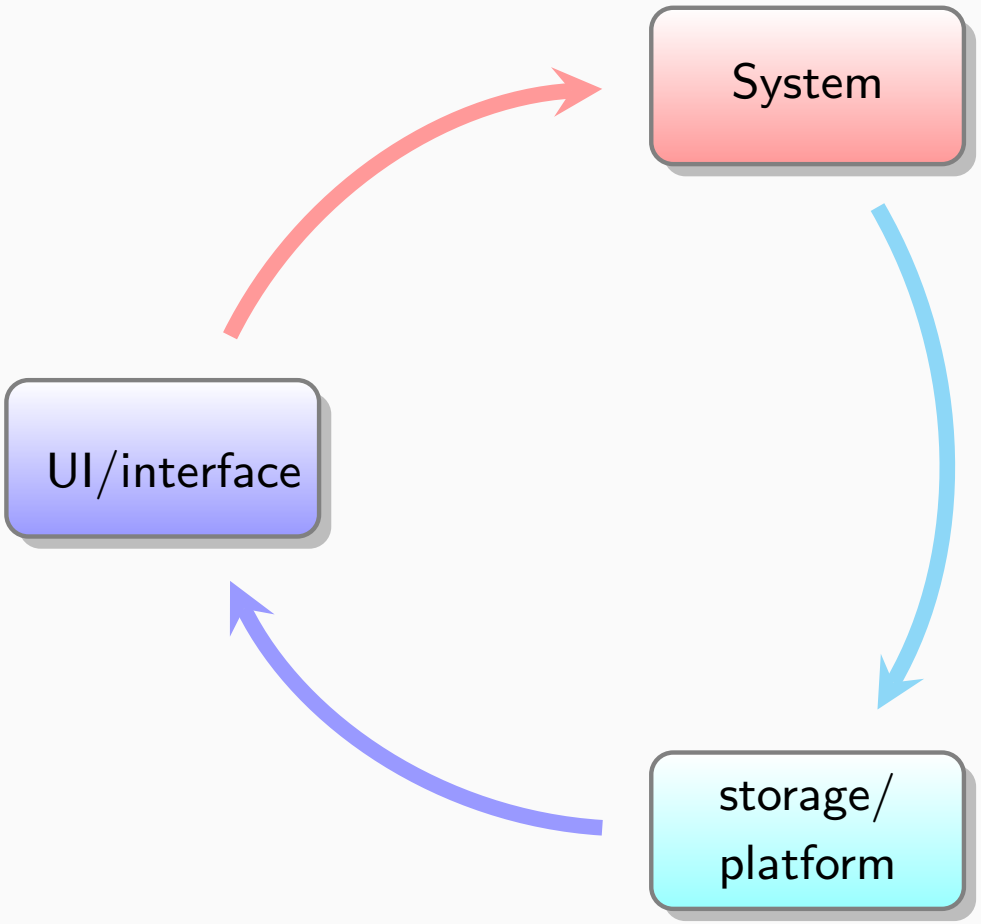
- Add much extra control to binary files (not plan text)
- Back up in real time



Version control system

What version control system?

The first thing about version control systems is which system (we will cover git)



What version control system?

- There are two populer version control systems (git SVN)
- We will cover git as it is the most populer, the one I know and easyist to use
- Git was developed in 2005 by Linus Torvalds

(Principal developer of Linux)

Conclusions

Questions?

References i


Rao, R. S., Kumar, C. G., Prakasham, R. S., and Hobbs, P. J. (2008).
The Taguchi methodology as a statistical tool for biotechnological applications: A critical appraisal.
Biotechnology Journal, 3(4):510–523.


Roy, R. K. (2001).
Design of experiments using the Taguchi approach: 16 steps to product and process improvement.
John Wiley & Sons.


Roy, R. K. (2010).
A primer on the Taguchi method.
Society of Manufacturing Engineers, Dearborn, United States, 2nd revise edition.

References ii


Subba Rao, C., Madhavendra, S. S., Sreenivas Rao, R., Hobbs, P. J., and Prakasham, R. S. (2008).
Studies on improving the immobilized bead reusability and alkaline protease production by isolated immobilized bacillus circulans (MTCC 6811) using overall evaluation criteria.
Applied Biochemistry and Biotechnology, 150(1):65–83.


Taguchi, G. (1986).
Introduction to quality engineering: Designing quality into products and processes.
UNIPUB, New York.

References iii

Yaldagard, M., Mortazavi, S. A., and Tabatabaie, F. (2008). **Application of Ultrasonic Waves as a Priming Technique for Accelerating and Enhancing the Germination of Barley Seed : Optimization of Method by the Taguchi Approach.** *Journal of the Institute of Brewing*, 114(1):14–21.