



**Git good**

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Elliott Phillips

20/10/2021

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## About

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- Background
- Objective
- Lingo

TEX



- ▶ Edited macros on ad hoc basis per project
- ▶ Library was unstructured and decentralised



TEX



- ▶ Saw gap in EMR and ONS-wide for data-driven reporting
- ▶ Developed Python-assisted TEX generator
- ▶ Consolidated L<sup>A</sup>TEX macros into library of packages, controlled by class and user-specified behaviour



TEX



- ▶ Developed sophisticated markup library for plot and table generation in line with ONS house style and accessibility standards
- ▶ Still under development, but now setup for monthly iterative releases following first official distribution



TEX



- ▶ Composited book and slides classes using a shared API and packagae library
- ▶ You're currently looking at the slides, but you can find all of this material plus more in the book render on my Github (feel free to star!)



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You should be able to...

- ▶ Setup and maintain local and remote repositories for Git version control,
- ▶ Understand concepts and implement own level of branching strategies,
- ▶ Successfully apply new Git skills to complete the attached exercise.



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# Objective – Distribution

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This material is developed open source. If you're interested, put your new-found skills to the test, create a pull request and contribute!

 /ellsphillips/git-book

● TeX



You're welcome to retain a copy and share this material with anyone who may benefit.

Please ★ this repository if you have found this material useful and to follow development!





A system for keeping track of changes that happen across a set of files as a series of snapshots.

Commit your data to capture the current state of your filesystem, assign references to new or modified files and link any unchanged files to the previously stored copies.





## GitHub

A web-based interface that uses Git to enable real-time collaboration across the globe.



## GitLab

An open-source DevOps platform for private, secure, repository management.



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# Basics

A horizontal progress bar consisting of a grey line with a short orange segment in the middle.

– Initialising

# Initialising – Initialising

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```
$ git init
```



# Initialising – Initialising

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```
$ git add .  
$ git commit -m "Initial project version"
```





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# Branches



– Model

# Model – Overview

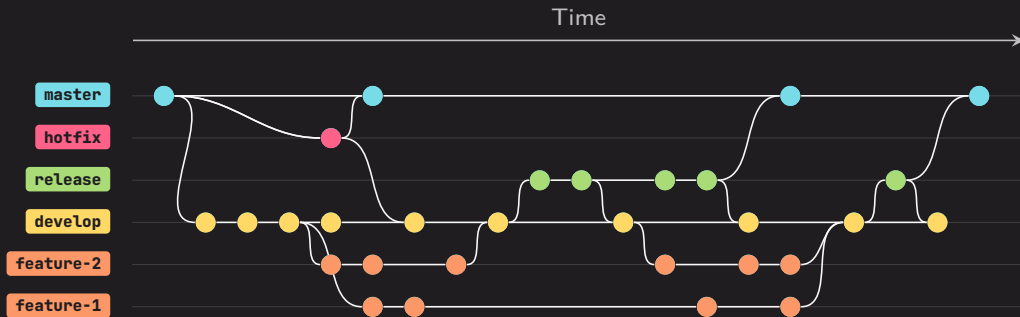
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# Model – Main branches

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Time



# Model – Feature branches

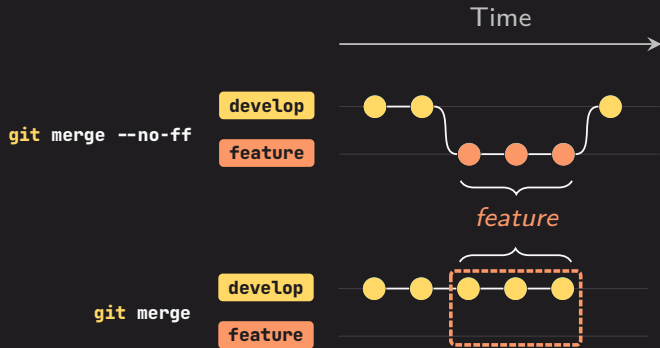
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# Model – Hotfix branches

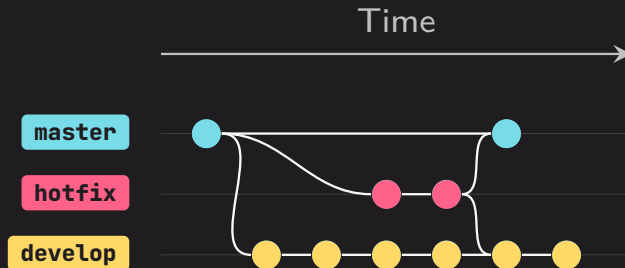
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## Examples

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- Layout
- Tables
- Text

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Centered content



# Layout – Bi-column layout

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Two

columns





# Layout – Three columns

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content a

content b

content c



# Tables – Simple

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	Description_new	Description_old
0	antique restoration	antique restoration
1	other information technology serviceactivities	in the year under review was that of other information technology serviceactivities
2	technical testing and analysis	continued to be that of technical testing and analysis
3	supply of bar and catering operations within york theatre royal	during the year was the supply of bar and catering operations within york theatre royal
4	public houses and bars	during the period under review was public houses and bars
5	property development and ownership	continued to be that of property development and ownership
6	fabric design, prodction and sales	the company's principal activity during the year continued to be that of fabric design, prodction and sales



## ▶ Bullet 1

- ▶ This is dummy copy.
- ▶ It is not meant to be read.

## ▶ Bullet 2

- ▶ This is dummy copy.
- ▶ It's Greek to you.

## ▶ Bullet 3

- ▶ It breaks up the intimidating blocks of text.
- ▶ Makes pages more inviting.

## ▶ Bullet 4

- ▶ Real bullets explode with destructive intensity.
- ▶ This is dummy copy.



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Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



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*There's a lot of beauty in **ordinary** things. Isn't that kind of the point?*

Pam Beesly  
The Office, Season 9, "Finale"





**Git good**

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