

CMEP IT Summary

10 June 2013

Agenda

- Development Process
- Definitions
- The CMEP curriculum site
- The LinkedIn discussion site
- Discussion

The Development Process

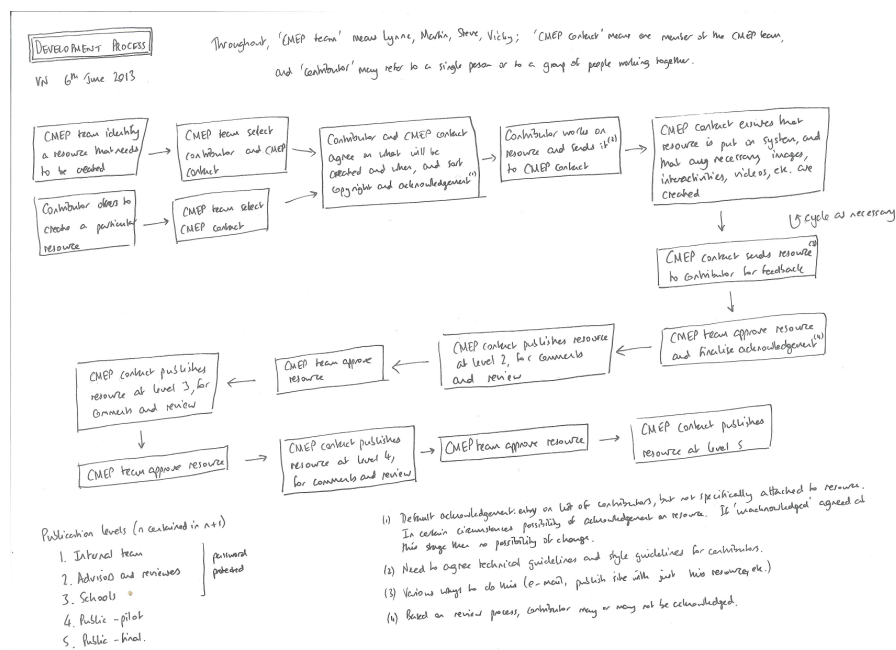


Figure 1: The Development Process

Definitions

- **Git** is a modern distributed version control system written by Linus Torvalds - the man who wrote the Linux kernel.
- **Git** is widely used for development and is beginning to be taken up in other spheres such as design.
 - Each CMEP author and developer has a local copy of **Git** installed.
 - **Git** makes it easy to merge local copies into final canonical versions.
 - Contributors do not need to use **Git**
- A **repository** is a collection of files managed by **Git**.
 - The CMEP repository for the curriculum site is called [CMEP-site](#)
 - Each author and developer has a local copy of [CMEP-site](#).
 - Contributors do not have access
- [GitHub](#) is a cloud service that makes use of **Git**.
 - It's an extremely useful service, but we are not in any way dependent on its continued existence.
 - We have a [GitHub](#) account, enabling us to keep a copy of the [CMEP-site](#) repository private there.
 - On top of version control, [GitHub](#) provides:
 - * Compilation of **Markdown** documents into viewable web pages
 - * An Issues tracker
 - * A Web editor
 - * Easy access to the change history - who did what and when
 - * Activity tracking
 - * Change notifications.
- **Markdown** is a wiki-like markup language.
 - [GitHub](#) displays **Markdown** files nicely so we can preview resources there.
- [Pandoc](#) is a document converter written in Haskell.
 - It is an [open source Haskell program](#).
 - It can compile **Markdown**, HTML and *core* **LaTeX** into HTML, **TeX**, Word documents, pdf, e-book, and slides.
 - It uses **LaTeX** for mathematics notation.
 - It can embed HTML to cope with special requirements such as embedded interactives.

- [YAML](#) is Yet Another Markup Language. We are using it to annotate documents with metadata.
- CMEP source documents contain:
 - a metadata header in `YAML`
 - content in `Pandoc flavour Markdown`.

See the [resource template here](#)

- The unfortunately named [Grunt](#) is a task runner, which we will use to run the various tasks that convert source material into web sites and other output forms.
 - For example we have written a grunt task [grunt-panda](#) to run pandoc over directories of markdown sources.

The CMEP curriculum site

- All source material for the site lives in [CMEP-site/sources](#).
- We'll be compiling these sources into the various preview and production sites, sub-sites, and review copies.
 - local preview for authors
 - limited previews for contributors
 - level 1 to 5 distributions for the various reviewers as in Vicky's memo
 - published version
- We expect the final site(s) will not need a database or any active server-side processing.
 - It should therefore be
 - * very fast
 - * and very secure.

LinkedIn Discussion Site

- Why LinkedIn?
 - It's seen as the leading social networking site for professionals
 - It offers closed access discussion groups.
 - [LinkedIn Group Demo](#)
- We need a name for the new group

Q&A

- Post Graduate help
 - 2 candidates applied
 - on hold pending part III exams
- More shopping
 - A UPS power supply for the new server
 - A laptop for Steve when he returns
 - UCS copies of Office for Vicky/Steve laptops