Social Web Design
社群網站設計
Darby Chang
張天豪
Collaboration
It’s an art
Elements of collaboration

- Communication (instant data)
  - ideas, arguments…
  - instant, log (search), multi-user, screen, voice…

- Document (ready-to-read)
  - bug, spec, to-do…
  - concurrent editing, interactivity, privilege, version control

- Storage
  - data, figure, video, large files…
  - privilege, sharing
Special systems for collaboration

- Bug tracking
- Schedule
- To-do
- User management
- Version control

Most project management systems provide composite functions
## Instant data

<table>
<thead>
<tr>
<th>Media</th>
<th>Text</th>
<th>Voice</th>
<th>Screen</th>
<th>Group</th>
<th>Log</th>
<th>Search</th>
<th>Overall</th>
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## Instant data via social tools

<table>
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<tr>
<th>Media</th>
<th>Text</th>
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¹concurrent editing
Which one to use?
Cost, efficiency, interface…
Trust your own judgements,
but experience as more as possible before you made them
## Document (delayed message)

<table>
<thead>
<tr>
<th>Media</th>
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<td>Okay</td>
<td>Best</td>
<td><strong>Okay</strong></td>
</tr>
</tbody>
</table>
Wikiって略すな
Basic of wiki

- Wiki is a Hawaiian word for fast
- Wiki is a website that
  - allows the easy creation and editing pages
  - via a web browser
  - using a simplified markup language
Wiki中文通用翻譯

- 維客、圍紀、快紀、共筆、維基等
- 「維基」一詞是中文維基百科人特別為維基百科而創的，隨著「維基」使用日廣，常被誤認為Wiki的譯名
- 「共筆」這個翻譯則反映了多人可以共同創作的特性
Wiki vs. blog
Collaborative

- Wikis are typically powered by wiki software and are often used to create collaborative wiki websites.
- Wikis are generally designed with the philosophy of making it easy to correct mistakes, rather than making it difficult to make them.
- Thus, while wikis are very open, they provide a means to verify the content:
  - recent changes, revision history…
- Trustworthiness
- Security
Deficiency disease

Deficiency disease is a condition caused by a lack of an essential nutrient. Vitamin C deficiency is known as scurvy.

Scurvy leads to the formation of liver spots on the skin, spongy gums, and bleeding from all mucous membranes. The spots are most abundant on the thighs and legs, and a person with the ailment looks pale, feels depressed, and is partially immobilized. In advanced scurvy, there are open suppurating wounds and loss of teeth.

Scurvy was at one time common among sailors and others who were on ships that were out to sea longer than perishable fruit and vegetables could be stored and by soldiers who were similarly separated from these foods for extended periods. It was described by Hippocrates (c. 460 BC–c. 300 BC). Its cause and cure have been known in many native cultures since prehistory. For example, in 1526, the French explorer Jacques Cartier, exploring the Saint Lawrence River, used the local natives’ knowledge to save his men who were dying of scurvy. He boiled the needles of the Thujasperforata tree (Eastern White Cedar) to make a tea that was later shown to contain 50 mg of vitamin C per 100 grams. The first attempt to give scientific basis for the cause of scurvy was by a ship’s surgeon in the British Royal Navy, James Lind. While at sea in May 1747, Lind provided some crew members with two oranges and one lemon per day, in addition to normal rations, while others continued on diet, vinegar, tea, and wasp venom. The results conclusively showed that something in the citrus fruits prevented the disease, a property later described as “antiscorbutic.” Vitamin C was isolated in the 1920s by Albert Szent-Györgyi and was shown to be ascorbic acid.

No bodily organ stores vitamin C and so the body soon depletes itself if fresh supplies are not consumed through the digestive system.
Wiki software

- Too many
  - [http://www.wikimatrix.org/](http://www.wikimatrix.org/)

- MediaWiki
  - used by Wikipedia

- DokuWiki
  - highly customizable
  - requires no database (lightweight)

- PmWiki, WikkaWiki, TWiki, TiddlyWiki…
## Storage

<table>
<thead>
<tr>
<th>Media</th>
<th>Convenience</th>
<th>Speed</th>
<th>Liberty</th>
<th>Overall</th>
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</table>
Any Questions?
Git

http://www.youtube.com/watch?v=gY2JwRfin1M
http://www.inside.com.tw/2012/02/16/programmer-productivity-tool
http://www.slideshare.net/ihower/git-and-github-7306407
Reminders of Git

- Master copy
- Repository
- Working copy
- Commit (push)
- Update (checkout, pull)
- Conflict
- Resolve
- Nothing is lost
- Incremental
- Diff
Project management system
Project management system

- 14 Applications for Project Management and Collaboration
- 15+ Amazing Project Management and Collaboration Tools
- Project management software, online collaboration: Basecamp
- Remember The Milk: Online to-do list and task management
- Trello is a collaboration tool that organizes your projects into boards
Other tools

- [http://www.bugzilla.org/](http://www.bugzilla.org/)

- [https://github.com/](https://github.com/)
  - wiki + version control + issue tracking

- [http://trac.edgewall.org/](http://trac.edgewall.org/)
  - wiki + version control + issue tracking
What
your team used?
Consideration

- Private vs. others’ server
- Tailored vs. general purpose
- Single vs. composite function
- Interface
- Cost
- Stability
Any Questions?
Today’s assignment
今天的任務
Better collaboration

- Adopt at least one system. If you think your current systems are fine, you may do nothing except telling me how your team works.

- Reference
  - https://github.com/

- Reference
  - http://www.dokuwiki.org/

- Your web site (http://merry.ee.ncku.edu.tw/~xxx/ex8/ and http://merry.ee.ncku.edu.tw/~xxx/cur/) will be checked not before 23:59 5/14 (Mon). You may send a report (such as some important modifications) to me in case I did not notice your features.