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
- 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>
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Social Web Design & Research
# Instant data via social tools

<table>
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<tr>
<th>Media</th>
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<th>Screen</th>
<th>Group</th>
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\(^1\)concurrent editing
## Instant data (new)

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</table>

從電信三雄跨年簡訊銳減，看即時通訊 app 大戰
Actually, they all look the same and I doubt anyone tried them all?
Which one to use?

Cost, efficiency, interface…
Trust your **own** judgment,

but *experience* as more as possible before you made one
### Document (delayed message)

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<tr>
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<th>Text</th>
<th>Multimedia</th>
<th>Search</th>
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</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
Vitamin C

From Wikipedia, the free encyclopedia

Revision as of 17:48, 23 February 2007 (edit)
Lumos3 (Talk | contribs)
(→Plant sources: Remove special mention of Amla, it's already in the table)
← Older edit

Line 73:

***Deficiency disease***

[Scurvy] (a form of [avitaminosia]) results from lack of vitamin C, which is required for correct [collagen] synthesis in humans. Scurvy leads to the formation of liver spots on the skin, spongy gums, and bleeding from all [mucous membrane]s. 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, [suppuration] wounds and loss of [teeth].

Scurvy was at one time common among [sailor]s, [pirate]s and others who were on [ship]s that were out to sea longer than perishable [fruit]s and [vegetable]s could be stored and by [soldier]s 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 has 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 [[Thuja|Thuja]] tree (Eastern White Cedar) to make a tea that was later shown to contain 50 mg of vitamin C per 100 grams.

--- Possible other vitamin C deficiencies ---

Flag dysfunction Athero.png/thumb/Atherosclerosis has been hypothesised to be a vitamin C deficiency disease.

Rath (who has killed numerous people while promoting clinically unproven drugs in townships across South Africa) made a typically strange statement: that during the [Ice age], when vitamin C was scarce, [[natural selection]] favoured human individuals who could repair arteries with a layer of [[cholesterol]]. He suggests that although eventually harmful, cholesterol lining of artery walls would be beneficial in that it would keep the individual alive until access to vitamin C allowed arterial damage to be repaired. If this is true, [Atherosclerosis] is in fact a vitamin C deficiency disease.

The established RDA has been criticized by Pauling to be one that will prevent [[acute (medicinal) scurvy]] and is not necessarily the dosage for optimal health. ([Fact|date=February 2007])

Current revision (04:17, 24 February 2007 (edit) (undo)
Jrockley (Talk | contribs)

(removal vandalism and cleanup scurvy section)

Line 73:

***Deficiency disease***

[Scurvy] (a form of [avitaminosia]) results from lack of vitamin C, as an effect of its requirement for correct [collagen] synthesis. Scurvy leads to the formation of liver spots on the skin, spongy gums, and bleeding from all [mucous membrane]s. 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, [suppuration] wounds and loss of [teeth], and eventually, death.

Historically, scurvy was common among those who had poor access to fresh fruit and vegetables, such as [sailor]s, [pirate]s and others who were on [ship]s that were out to sea longer than perishable [fruit]s and [vegetable]s could be stored, as well as isolated [soldier]s. The earliest documented case was described by [Hippocrates] around the year 400 BC.

--- Possible other vitamin C deficiencies ---

Flag dysfunction Athero.png/thumb/Atherosclerosis has been hypothesised to be a vitamin C deficiency disease.

Rath hypothesised that during the [Ice age], when vitamin C was scarce, [[natural selection]] favoured human individuals who could repair arteries with a layer of [[cholesterol]]. He suggests that although eventually harmful, cholesterol lining of artery walls would be beneficial in that it would keep the individual alive until access to vitamin C allowed arterial damage to be repaired. If this is true, [Atherosclerosis] is in fact a vitamin C deficiency disease.

The established RDA has been criticized by Pauling to be one that will prevent [[acute (medicinal) scurvy]] and is not necessarily the dosage for optimal health. ([Fact|date=February 2007])
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

Version Control - Episode 1 - Introduction

提升程式設計師生產力最好的工具是什麼？

Git and Github
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
- ChatWork is a communication platform designed for companies and teams
- 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

In my opinion, use the one that most of your members like, unless something really worthy such as git
Any Questions?
PIXNET App
痞客邦「應用市集」上線
PIXNET App

- 應用市集是痞客邦一個新的服務嘗試：讓使用者自由選擇自己想要的功能，打造個人風格的部落格與相簿！
- 痞客邦 App Market
Do you know why PIXNET will develop such as platform and open their APIs?
Business model

- Which iPhone sells, hardware or software?
- If you like Firefox more than Chrome, why?
- Use other people (outside your company) to make money
- The first thing is to attract content providers (in AppStore, they are developers)
  - this is also seen in game console
  - the first of first is a good document

- More evil ideas
  - Facebook 新 Graph API 推出 – 你打算跟魔鬼做交易了嗎？
  - 當 Facebook 統治了世界，你還有隱私可言嗎？
  - please care about your privacy
For you/developers

- No much choices
  - you don’t have resources
  - we are sponsored

- Let’s start…
  - PIXNET Developer Site
部落格前台 JS

- Basic concept
  - put a JS snippet to PIXNET that will be loaded in every blog article
  - it means you App can do everything that JS can do, such as change the background color of blog articles

- Procedure
  - register an PIXNET account
  - create a new App
  - check 部落格前台JS
  - Option Config: data passed to your App; Execute Code: code to call your App; Script: your App body ← abstraction
  - install and staging for debugging ← try find your App in blog html
  - quest ← before our midterm exhibition (around 5/15)
Any Questions?
部落格文章編輯 basic concept

- Users can submit data to PIXNET via your App, thus server side program is required
- But your program is on merry, which results in cross-site scripting (XSS)
- Modern browsers can prevent XSS (try ajax to a different domain)
- But XSS is useful (porthole)
- The basic flow is
  - PIXNET call your program
  - your program must prepare data (text that will be inserted into article editor) according to PIXNET rules
  - your program call PIXNET (follow the rules)
  - PIXNET show your data
Porthole
部落格文章編輯 procedure

- Register an PIXNET account
- Create a new App
- Logo
- Check 部落格文章編輯 ← you can check more than one types
- Iframe URL: your App body
  - follow PIXNET rules
  - addon_id + '||PIXNET||' + msg;
- Proxy URL: PIXNET provides this, but you need to put it to the same domain of your App body
- Install and staging for debugging (try find your App in blog html)
- quest, before our midterm exhibition (around 5/15)
Any Questions?
Today’s assignment
今天的任務
PIXNET App

- Develop an PIXNET app. If you choose a JS App, it takes only a few hours to implement. You can practice how to conceive and execute a small project efficiently. As staging Apps cannot be installed by other users, please send you fields (not the code) to TA Tang so that he can test your App.

- Reference
  - PIXNET Developer Site
  - GitHub
  - DokuWiki

- Your web site (http://merry.ee.ncku.edu.tw/~xxx/cur/) will be checked not before 23:59 4/16 (Tue). You may send a report (such as some important modifications) to me in case I did not notice your features.
Appendix
附錄
Some concepts

- The one that propose the requirements is NOT responsible to test them

開需求的人 並不需要負責測試這些功能

- this person is usually the leader (or some Creative Director, but leader is still the person to monitor the progress)

這人不意外的話就是老闆(或是某個稱為創意總監的人，就算如此，老闆還是那個負責監督的人)

- there should be another group, named Quality Assurance (QA), for this job

實際上應該要另一組人馬，稱為品保人員(QA)來負責

- the QA people CANNOT propose new requirements

品保人員 不能開 新需求