Adapting UCD for Open Source Software Development

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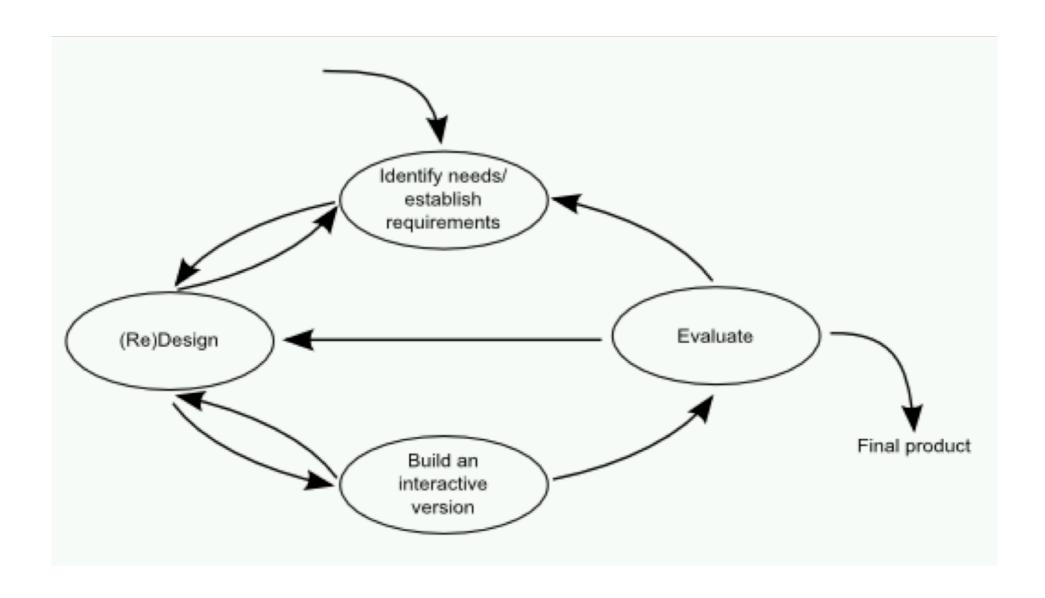
Outline

- Introduction to UCD
- Challenges of applying UCD on FLOSS
- Case study: Moodle
- Ongoing project: gfx.tw

UCD: User-Centered Design

UCD: An iterative design process

A simple model



Why UCD?

Create Successful User Experience

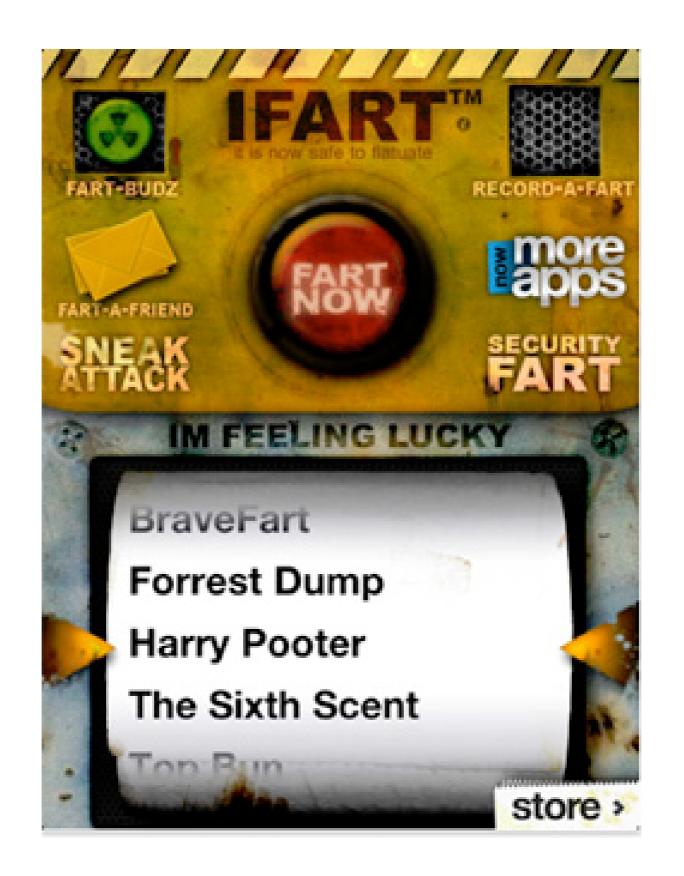
To UX designers, success means creating **products** that are **useful**, **usable**, and **desirable**.

Product (產品)

Creating something for people you don't know

Useful (有用)

Satisfactory in functionality



Usable (可用)

Whether the user can use the provided functions



Desirable (想用)

The user wants to own the product



Usability: Extent to which a product can be used by specified users to achieve specified goals with **effectiveness**, **efficiency** and **satisfaction** in a specified context of use.

Effectiveness: 可以做得多好?

Efficiency: 可以做得多快?

Satisfaction: 操作過程中有多爽/不爽?

Learnability(可學習性):在初次接觸系統就能完成基本操作的容易程度。

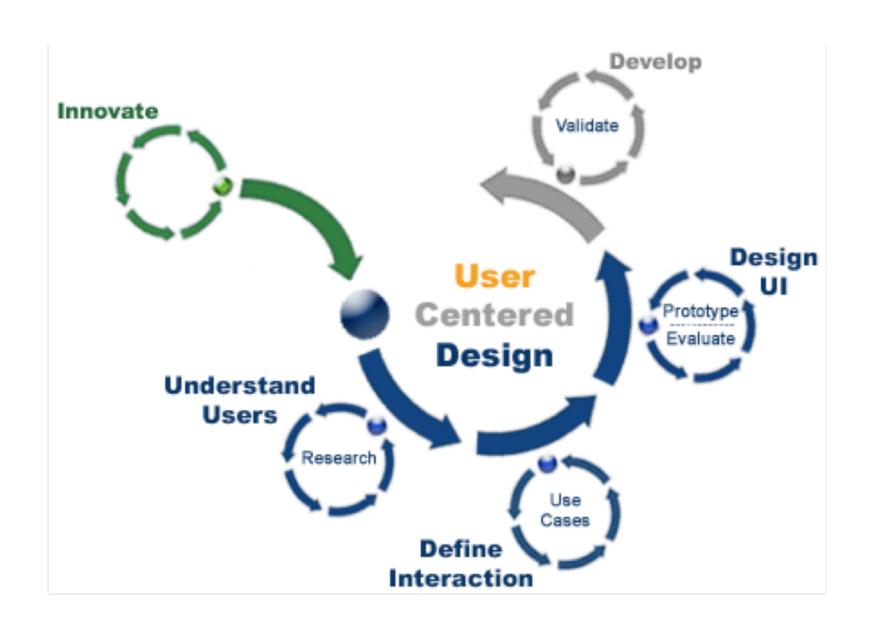
Memorability(可記憶性):經過一段時間沒用系統後,重新使用還能上手的容易程度。

Efficiency(效率):學會使用系統後, 能多快完成任務?

Errors (錯誤):使用者犯錯的數量、錯誤的嚴重度、修正錯誤的容易程度。

Satisfaction(滿意度):使用系統時的 愉悦度。

Software development model with UCD



Why UCD in FLOSS?



When FLOSS meets UCD

Scratch your own itches

Developer is user

Replace proprietary software

(End) users are missing

Floss projects with UX











etc...

Outcomes

Ul Design Guidelines

Usability evaluation report

User research report

Improved interaction design

Improved user interface design

And more...

Challenges

Code speaks louder than *

Entry barrier of tools to UX designers

Distributed development model

Limited resource

Most FLOSS projects are poor

UX designers can be free but accessing users is not

Solutions?

No best practice yet

Case study: Moodle usability

Began as a school project work: Quiz Ul redesign

Developed Moodle Ul Guidelines

Usability specialist for Moodle

Ongoing project: gfx.tw

gfx.tw: a website for promoting Firefox.

Current status: an established website.

Problem: How to decide the priority of developing new features?

What we have done?

Talk to developers

Gathered statistics of website activity

Gathered feature requests

What next?

User research on gfx.tw contributors

References

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