

# Fixing the Web

## Advanced Linking and Transclusion in HTML5

Roeland Matthijssens

Vrije Universiteit Brussel

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# Intro

## Goal

- HTML front end for iServer
- Create/render links between html pages
- Without access to page source
- Using only JS and HTML5

# Problem Description

- Get and save user selection on HTML page
- Render previous saved selections
- Author complex links

## Research Question

- Visualise possible large amount of links on same page

# Related Work

## Annotea

The screenshot shows the Annotea web interface. At the top, there's a navigation bar with 'UQ Library' and 'ePrintsUQ'. A search bar is visible on the left. The main content area displays a search result for the paper 'The Rise and Fall (?) of the Developmental State: The Vicissitudes and Implications of East Asian Interventionism' by Beeson, Mark (2003). The title and author are highlighted. Below the title, there's a brief description and a link to the full text. The interface also shows a sidebar with 'Quick Search of Titles, All Keywords' and 'Browse' options.

## Feltpen

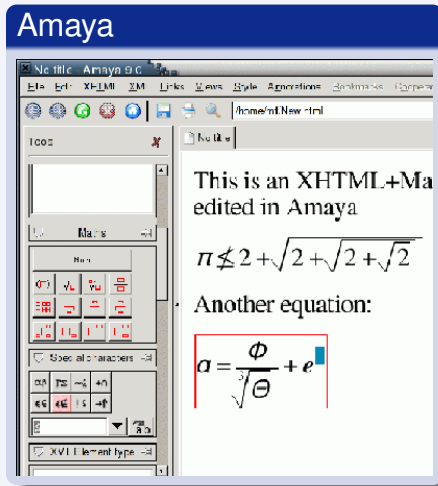
The screenshot shows the Feltpen web interface. At the top, there's a navigation bar with 'UQ Library' and 'ePrintsUQ'. A search bar is visible on the left. The main content area displays a search result for the paper 'The Rise and Fall (?) of the Developmental State: The Vicissitudes and Implications of East Asian Interventionism' by Beeson, Mark (2003). The title and author are highlighted. Below the title, there's a brief description and a link to the full text. The interface also shows a sidebar with 'Quick Search of Titles, All Keywords' and 'Browse' options.

# Related Work

## Amaya



## Amaya



# Related Work

## MadCow

givedì 26 febbraio 2004

*Non conosco altri modi in cui l'intelligenza o la mente potrebbero sorgere o essere sorta se non attraverso l'interiorizzazione da parte dell'individuo dei processi sociali dell'esperienza e del comportamento.*  
(Mead, 1914, *Mente, Si e Società* trad. it., 1972 pag. 207)

**COME E QUANDO ISCRIVERSI**  
Sei uno studente delle scuole superiori che progetta di iscriversi a Psicologia? Vuoi conoscere scadenze e modalità di ammissione?

**OFFERTA FORMATIVA**  
Cosa si insegna alla facoltà di Psicologia? L'organizzazione didattica dei corsi di laurea, dei master e delle scuole di specializzazione. Hai bisogno di conoscere il programma di un modulo, quanti crediti "vale" e chi lo insegna?

**ORARI DELLE LEZIONI**  
Il 20 ottobre 2003 avranno inizio i corsi del primo modulo che termineranno il 22 novembre. Consulta on-line gli orari delle lezioni e la loro distribuzione nelle aule della facoltà.

**Avvisi**  
13/02/2004: Consulta il calendario discussione tesi della sessione invernale A.A. 2002-03  
16/02/2004: sono uscite le nuove date per gli esami

## iWeb

ETH - GlobIS - Collaborative Information Environments - Mozilla Firefox

Edit View Go Bookmarks Tools Help

http://www.globis.ethz.ch

iSERVEXT  
Layer Sidebar  
ver. 1.0

Link Layers:

- ☒ Layer 1
- ☒ Layer 2
- ☒ Layer 3
- ☐ Layer 4
- ☒ Layer 5
- ☐ Layer 6
- ☐ Layer 7
- ☒ Layer 8
- ☒ Layer 9

ETH Zurich - D-INFK - GlobIS

Collaborative I

Developments in mobile computing are opening up new possibilities for information and communication technologies. The M-Lab [St] International Co Paper pervasive

# Possible Solution

## Visualisation

- Community based Up/Down voting + Normalization logic
- Per user profile based machine learning
- On request rendering on overlay

# Current Status

## What Is Done

- Basis authoring functionality
- Stand alone version (local Database backed)
- API to communicate with iServer
- 1-1 and 1-\* links (rest should be 'trivial')



## Issues

- Web security gets in the way (Same origin policy)
  - Disable web security (short term)
  - Create wrapper plugin with elevated permissions
  - Custom policy in new browser
- X-frame-option:deny from server can't be dealt with
- Responsive websites are not reliable
  - Checksum HTML-ranges

# Demo

Demo

# Planning

## Still To Do

- Communication with iServer
- Robust authoring of links
- research/write link filtering logic
- Create graph visualisation of link data