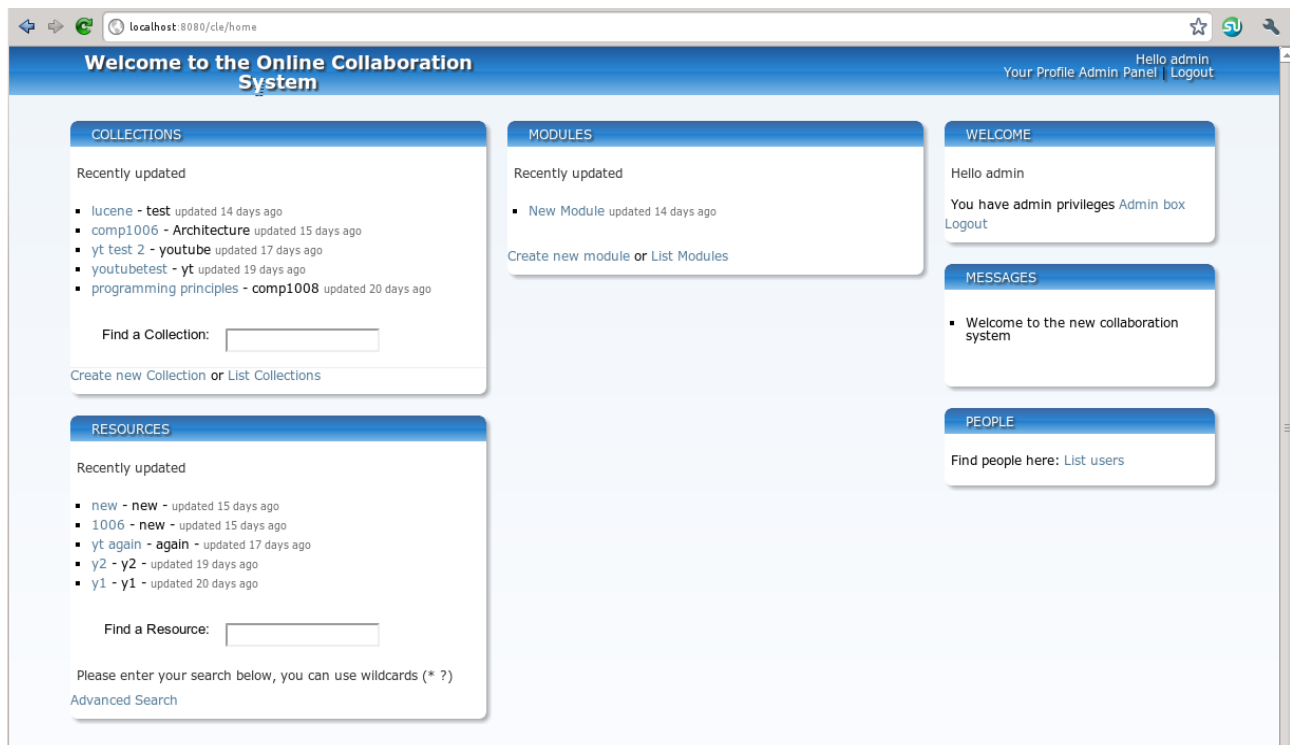


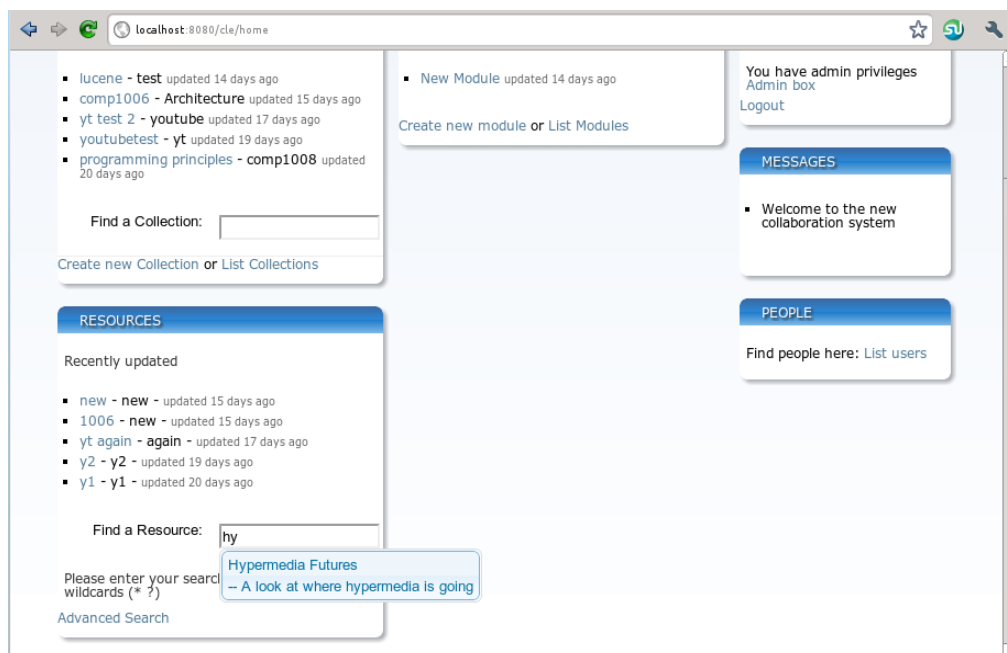
## Online Learning Collaboration System – Preview

***The aim is to provide easy collaboration across learning resources at a very granular level. It gives an interactive and web 2.0 feel to e-learning.***

Resources are organised into collections. These collections can then be organised into modules which fit in with the academic structure.



The homepage is shown above. It shows, at a glance, the resources which are popular. There are facilities for quick searches here which use smart drop-down menus.



Resources can be built on a site or converted from PDFs. (With plenty of future possibilities here) The image below shows the editor.

The screenshot shows a web resource editor interface. On the left is a sidebar with the following content: **Resource: learning how to Presenter View**, Description: Quick learning resource, Tags: learning tool, 0 pages, and links for [Create New Page](#) and [Create Youtube Page](#). Below these links is the text **- Page 1 - Untitled**. The main editing area on the right features a rich text editor with a toolbar containing icons for bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, image, video, and other formatting options. The editor's content includes the heading **This is a new page**, a bulleted list with items **Key Point** and **Another Point**, a subheading **New heading**, and a paragraph **Getting started is really easy |**. Below the editor is a **Path: p** field with a **Save** button. At the bottom, a status bar shows **Title: Untitled**, **Tags: null-**, and a **Delete Page** link.

Or upload a pdf:

The screenshot shows a form titled **CREATE NEW RESOURCE**. Below the title is the instruction: **This form allows a resource to be created from a PDF file**. The form contains three input fields: **Resource Title :**, **Resource Description :**, and **Resource Tags :**. Below these fields is a section for file upload labeled **File (PDF)**, which includes a **Choose File** button (currently showing **No file chosen**) and a **Submit** button.

Individual lines of the resource pages can then be commented on.

The screenshot shows a web interface for a resource page. On the left, there's a sidebar with 'Resource: Arithmetic', 'Description: q', 'Tags: q', and '52 pages'. Below this is a 'Link to this page:' section with a text input field containing 'localhost:8080/cle/r/...' and a 'Like' button. The main content area displays the title 'Simple loop computes N!' and a code snippet: 

```
VARIABLES n, r
n := N || r := 1 ;
WHILE n > 0 DO
  r := r ! n || n := n-1
END
POST r = N!
```

 The code is enclosed in a scrollable box. Below the code, there are 'Prev' and 'Next' buttons, and a status bar indicating 'You are viewing page 3 of 52'. On the right, there's a 'Public' and 'Private' toggle, and a comment box with the text 'admin user Remember POST posted less than a minute ago.' Below the main content, there's a 'Comments' section with a large text input field and a 'Post' button.

It is also possible to add a comment to an existing comment.

This screenshot shows a comment box with a 'Public' and 'Private' toggle. A comment by 'admin user' is visible, with the text 'This is a private comment' and 'posted less than a minute ago.' Below this, there's a text input field containing 'this is a sub comment' and a 'Post' button.

Each user has a profile where you can view their recent activity:

The screenshot shows a user profile page titled 'Welcome to the Online Collaboration System'. The profile is for 'MICHAEL HARRIS' and lists his email as 'michaelharris@gmx.com' and roles as 'ROLE\_ADMIN' and 'ROLE\_LLECTURER'. Below the profile, there's a 'RECENT ACTIVITY' section titled 'This is the user feed'. It lists several recent posts by Michael Harris, including 'jamie oliver' on yt again, 'pub end' on yt again, 'priv' on yt again, 'uyrtyry' on y2, 'gg' on Arithmetic, 'fff' on Arithmetic, 'new' on y2, and another post on y2.

**Resource: y1**  
 Description: y1  
 Tags: y1  
 1 pages

Link to this page:  
  
 Like Be the first of your friends to like this

Empty Page for youtube  

Arctic Monkeys - 'Fluorescent Adolescent' (2007)

Prev You are viewing page 1 of 1 Next

Comments  
 Please login to add a comment

Public Private  
**Contributions**  
 Michael Harris  
 www  
 at 0:48 posted 19 days ago.  
 Michael Harris  
 rqrwr  
 at 1:37 posted 19 days ago.  
 ss  
 Michael Harris  
 Michael Harris  
 newComment  
 at 0:04 posted 19 days ago.  
 Michael Harris  
 newVideo comment  
 at 0:04 posted 19 days ago.  
 Michael Harris  
 32 sec into yt  
 at 0:32 posted 19 days ago.  
 test user  
 v  
 posted 19 days ago.  
 test user  
 v  
 posted 19 days ago.  
 test user  
 on yt  
 posted 19 days ago.

Resource pages can be video pages, these use the YouTube API to allow commenting with a time-stamp. Clicking on the comment will take the user to that point in the video.

The sidebar on the left allows for other social integration, there is a link to share this exact page within the resource, as well a button to 'like' this on Facebook.

Welcome to the Online Collaboration System
 Hello admin  
 Your Profile Admin Panel Logout

**Resource: Hypermedia Futures**  
 Description: A look at where hypermedia is going  
 Tags: gypermedia, futures, advances  
 52 pages

Link to this page:  
  
 Like Be the first of your friends to like this

## OHS are open with respect to

Applications  
 Data Formats  
 Functionality  
 The hypermedia system should not impose a single view of what constitutes hypermedia but should be  
 configurable  
 extensible  
 Other OHS Systems  
 Platforms  
 Users

UNIVERSITY OF  
**Southampton**  
 School of Electronics  
 and Computer Science

All sections of this screen can be hidden or resized, to allow full-screen viewing of the resource as required.

## Technical Details

This is a web application written in Java, designed to be cross platform. It will run well in recent versions of Mozilla Firefox and Google Chrome.

- Running on *Apache Tomcat*
- Using *Spring MVC* and *Spring Security* Frameworks
- Using a *MySQL* Database
- Uses *Hibernate* for object relational mapping
- Uses *Hibernate Search* – based on *Apache Lucene* for full text Search
- Written in HTML 5 and CSS 3
- Javascript, particular use of *JQuery*, and *JQuery UI* libraries, and additional plugins
- *Jericho* HTML Parser
- pdf2html (UNIX tool)