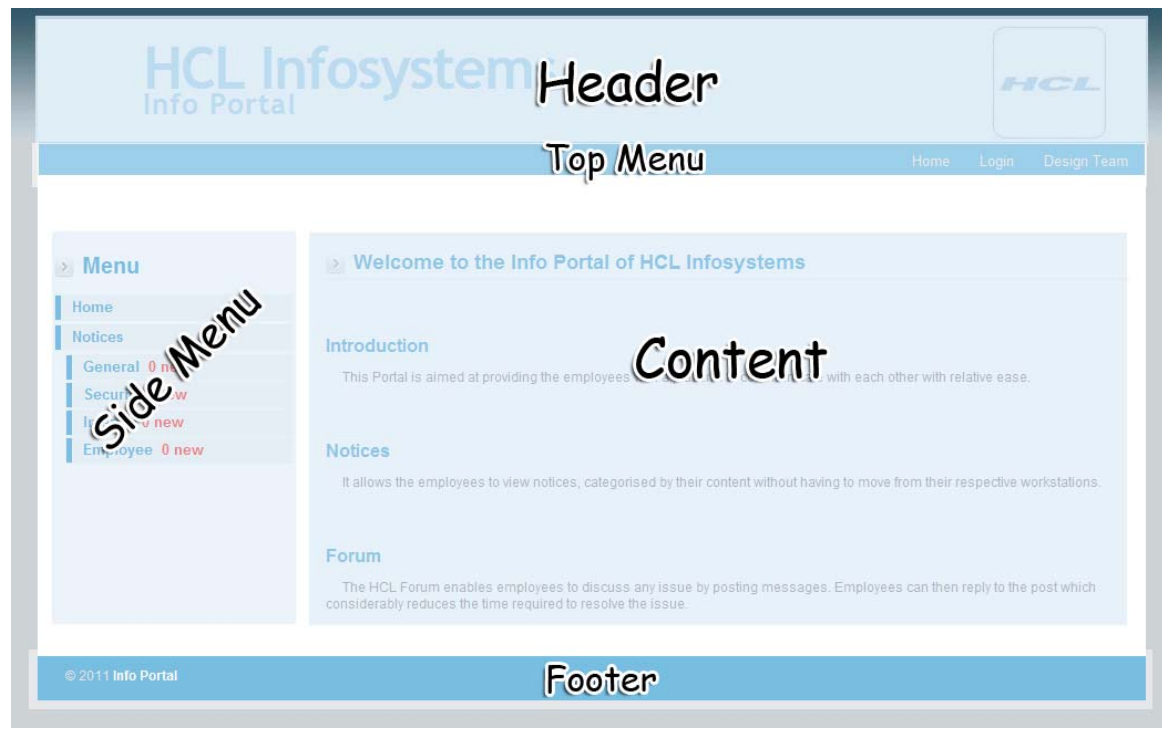# INFO PORTAL GUIDE

Layout of the website

- The colour scheme of the website was made Blue to reflect HCL's theme (which is also Blue).
- Header – Title of the Company (HCL Infosystems) and the Project Name (Info Portal)
- Top Menu – Links to Home, Login/Logout, Design Team
- Side Menu
- All visitors – Home, Notices (General, Security, Internal, Employee)
- Logged in users – Home, Change Password, Notices (General, Security, Internal, Employee), Forum (Add a Post, General)
- Administrator - Home, Change Password, Notices (Add a Notice, General, Security, Internal, Employee), Forum (Add a Post, General), Users
- Content - Depends on the page being accessed.
- Footer – © Info Portal 2011

Tables Used

Database Name: portal

1) **users**
   - <u>username</u> (Primary Key) – varchar (50) – Username/employee ID and is also stored as session variable at time of login.
   - pass – varchar (70) – Password of the user stored as md5 of the original password. (**MD5 Message-Digest Algorithm** is a widely used cryptographic hash function that produces a 128-bit (16-byte) hash value.)
   - name – varchar (100) – Name of the employee.
   - department – varchar (100) – Department of the employee (Design, Manufacturing etc.).

2) **notices**
   - <u>nid</u> (Primary Key) – int – ID unique to each notice.
   - title – varchar (100) – Title of the notice.
   - body – text – Body of the notice (with option of providing links to other pages).
   - datetime – timestamp – Date and Time when the notice was added.
   - type – varchar (20) – Categorises the notice. (General/Security/Internal/Employee Related).
   - files – varchar (100) – Name of the file attached and stored in the uploads folder.

3) **forum_posts**
   - <u>pid</u> (Primary Key) – int – ID unique to each post.
   - title – varchar (200) – Title of the post.
   - body – text – Body of the post (with option of providing links to others pages).
   - datetime – timestamp – Date and Time when the post was added.
   - type – varchar (50) – Categorises the post (separated by comma).
   - username (Foreign Key) – varchar(50) – User (username) who added the post.

4) forum_comments
- <u>cid</u> (Primary Key) – int – ID unique of each comment.
- pid (Foreign Key) – int – ID of the post which has been commented upon.
- comment – text – The Comment.
- datetime – timestamp – Date and Time when the comment was made.
- username (Foreign Key) – varchar (50) – User (username) who added the comment.
- deleted – tinyint (1) – Indicates the status of the comment.
    - 0 – Not Deleted
    - 1 – Deleted

Description of each Page

Home Page (http://localhost/index.php)
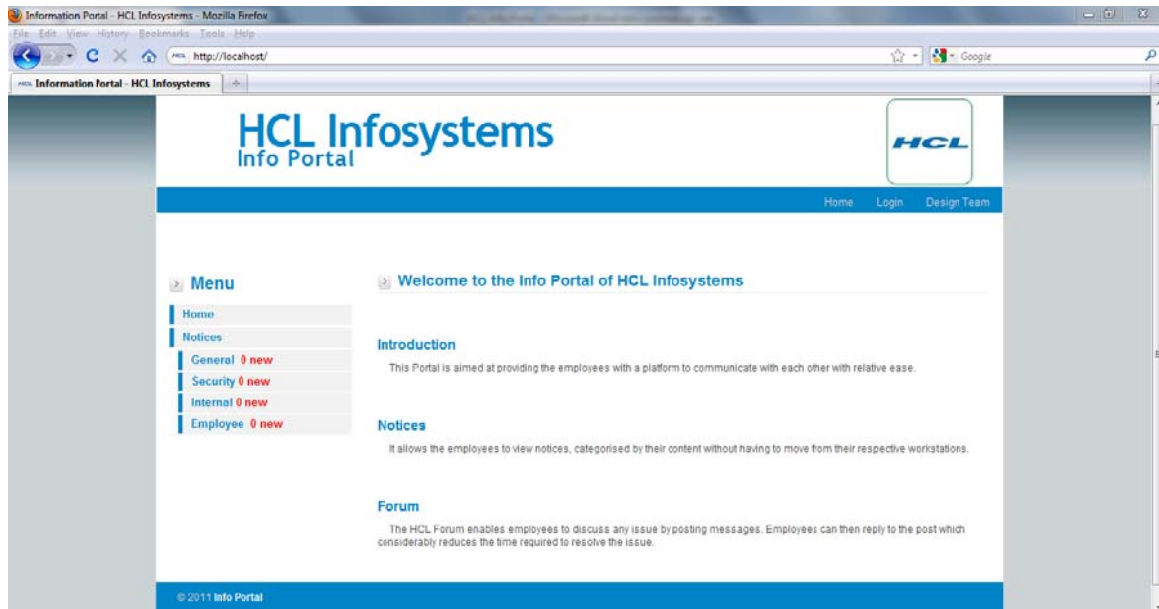
> An introduction to the notices and forum in the Info Portal.
> Links to the Home Page, Login Page, Design Team Page (Top Menu)
> Links to Notices (General, Internal, Security, and Employee Related) with the count of the new notices in each category.
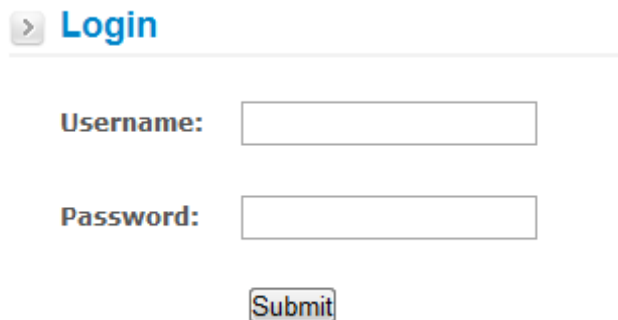
Header (http://localhost/header.php)

> Common page included in all other pages.
> Contains Connection to MySQL Database.
> Definition of WWWROOT.
> Meta Data like Description, Keywords, Distribution and Authors.
> Title of all pages in common – Information Portal – HCL Infosystems.
> Inclusion of favicon.ico file and main.css file.
> Header Logo Text and Slogan, HCL Logo Image on the right.
> Top Menu – Links to Home, Login/Logout, Design Team.

Footer (http://locahost/footer.php)

➢ Common Page included in all pages.
➢ Contains links to the Side Menu.
➢ The footer text © Info Portal.

Login Page (http://localhost/login.php)

➢ The username and password are to be entered and posted to the same page. The Username and Password are escaped to avoid SQL Injection into the databases. The username and MD5 of the password are checked in the database.
➢ YES – If username and password exist a new Session variable (hcl_user) is created with the value of the username and then redirected to http://localhost/disp_notice.php?type=General
➢ NO – The corresponding error is shown if authentication fails. The errors possible are
  • Either username or/and password field is empty
  • Username and password entered is incorrect.

Logout Page (http://localhost/logout.php)

➢ Irrespective of whether the user is logged in or not , the session variable 'hcl_user' is unset (destroyed) and the visitor is redirected to the Home Page (http://locahost/index.php)

Change Password (http://localhost/change_pass.php)

> **Change Password**

Current Password	
New Password	
Confirm New Password	

Submit

- ➢ The User is provided with a form asking for Current Password, New Password and Confirm New Password.
- ➢ CORRECT - The correct details when entered notify the user as having successfully changed the password.
- ➢ INCORRECT – The corresponding error is shown if password is not changed. The errors possible are
  - Either one or all the fields are empty.
  - The current password does not match the password in the database.
  - The New Password and Confirm New Password entered do not match.

Display Notice (http://localhost/disp_notice.php?type=value)

> **General Notices**

> **Menu**

Home	
Change Password	
Notices	
Add Notice	
General 3 new	
Security 0 new	
Internal 0 new	
Employee 0 new	
Forum	
Add a New Post	
General	
Security	
Internal	
Employee	
Users	

S.No	Notice
1	Sample 4 - 27 July, 2011 11:51 am Delete This is sample 4 body. This is Info Portal of HCL Infosystems
2	Sample 3 - 27 July, 2011 11:50 am Delete This is a General Notice showing the timestamp and hyperlinks HCL
3	Sample 2 - 27 July, 2011 11:47 am Delete This Notice also has a file uploaded. The file is ERF form of HCL Infosystems. 1311747469_ERF_Form.txt
4	Sample 1 - 26 July, 2011 4:03 pm Delete Sample Body Text with hyperlinks Google
5	Sample - 25 July, 2011 9:12 am Delete This is the first notice under General Category which has been added by admin for testing purposes.

- Notices of the type 'value' is retrieved from the database and displayed in a table. If there are more than 10 notices of that type 'value' ,only the first 10 notices are shown and a "Next" link is provided to view the next 10 notices."Previous" link is provided to view the previous 10 notices.
- Details shown – S.No. , Title of the Notice, Date created, Body of the Notice, Link to the attached file (if any).
- Validation
  - Parameter type=value when passed with the wrong parameter, displays as "Page Not Found."

Display Post (http://localhost/disp_post.php?type=value)

- Posts of the type 'value' is retrieved from the database and displayed in a table. If there are more than 10 post of that type 'value', only the first 10 notices are shown and a "Next" link is provided to view the next 10 notices."Previous" link is provided to view the previous 10 notices.
- Details shown – S.No. , Title of the Notice with a link to the http://localhost/disp_details?pid=value , Date created, Posted by Username (and Name), Body of the Notice (showing only the first 50 characters or the entire body if number of characters is less than 50), the number of comments posted on the post is displayed on the right side of the table.
- Validation
  - Parameter type=value when passed with the wrong parameter, displays as "Page Not Found."
  - If a user is not logged in, error is displayed as "You have tried to access a protected page. Please login to continue."

Add a Notice : For admin only (http://localhost/notice_add.php)

Add a Notice

To include links in your text type , Text to appear as link   Output : Text to appear as link

* Title :   Sample 3

* Body :

This is a General Notice showing the timestamp and
hyperlinks
HCL

Type :   General

File upload: Choose File   No file chosen

Submit

* - Mandatory Fields

- ➢ The Admin is provided with a form consisting of Title (Textbox), Body (Text Area), Type (Dropdown Box), File to be uploaded (File Upload Box).
- ➢ Title, Body, Type are mandatory fields.
- ➢ Body text can area have links to other pages by including the hyperlink text (For example : Google)
- ➢ When the form is submitted, the details are validated.
- ➢ CORRECT – Notice is added successfully to the database with the current timestamp when adding the notice.
- ➢ INCORRECT -
    - Either Title and/or Body are empty.
    - File exceeds the Maximum File Size Limit (approx 100MB) or File does not exist.

Add a Post : For logged in Users (http://localhost/forum_add.php)

Add a Post

To include links in your text type , Text to appear as link   Output : Text to appear as link

* Title :   This is my first post in HCL Infosystems

* Body :

This post is done for testing purposes using multiple users
in the HCL Forum.
Please comment on my post.
Thank you,
Ilambharathi

Type :   ☑ General   ☐ Security   ☐ Internal   ☐ Employee Related

Submit

* - Mandatory Fields

Menu

- Home
- Change Password
- Notices
  - General 3 new
  - Security 0 new
  - Internal 0 new
  - Employee 0 new
- Forum
  - Add a New Post
  - General
  - Security
  - Internal
  - Employee

➢ The User is provided with a form consisting of Title (Textbox), Body (Text Area), Type (Checkboxes) (General, Internal, Security, Employee Related).
➢ Title and Body are mandatory fields.
➢ Body text area can have links to other pages by including the hyperlink text
➢ If any option(s) other than General is/are selected, the General option is unchecked and vice versa.
➢ When the form is submitted, the details are validated.
➢ If no type category is selected, General option is selected.
➢ CORRECT – Post is added successfully to the database.
➢ INCORRECT – Either Title and/or Body are empty.

Add Comment: For logged in users

This is my first post in HCL Infosystems

ILAM (ILAMBHARATHI KANNIAH)   27 JULY, 2011 12:04 PM

This post is done for testing purposes using multiple users in the HCL Forum.
Please comment on my post.
Thank you,
Ilambharathi

Comments

By: sug (Suganth Krishna) July 27, 2011 12:08 pm

This post is good. Sending this test comment from Conference Room

Add your comment

Comment : Yes it is working da.   Comment

Menu

- Home
- Change Password
- Notices
  - General 3 new
  - Security 0 new
  - Internal 0 new
  - Employee 0 new
- Forum
  - Add a New Post
  - General
  - Security
  - Internal
  - Employee

- Comments can be added by clicking the add comment button which posts to the same page.
- All comments are stored in a single table with each comment having its relevant post ID as a field.

Delete Comment: For admin only

- The admin is able to remove comments by choosing the Delete link displayed next to each comment.
- The required details are then posted in GET form to the same page and validated.
- MD5 of the particular Comment ID is also posted to prevent direct access of the page by typing the address in the address bar or running malicious scripts.
- deleted field of the comment is set as 1 in the table forum_comments.
- Using this, a relevant message is displayed in place of the comment which is visible to all users. (*The Administrator has deleted the comment*)
- The admin can choose to redisplay the comment using the Show link which follows similar process as above.

Delete Notice: For admin only

> ❯ **General Notices**

S.No	Notice
1	**Sample 4 - 27 July, 2011 11:51 am** Delete This is sample 4 body. This is Info Portal of HCL Infosystems
2	**Sample 3 - 27 July, 2011 11:50 am** Delete This is a General Notice showing the timestamp and hyperlinks HCL
3	**Sample 2 - 27 J** This Notice als... 131174
4	**Sample 1 - 26 July, 2011 4:03 pm** Delete Sample Body Text with hyperlinks Google
5	**Sample - 25 July, 2011 9:12 am** Delete This is the first notice under General Category which has been added by admin for testing purposes.

The page at localhost says:

Are you sure you want to delete ?

OK   Cancel

Menu: Home, Change Password, Notices, Add Notice, General 3 new, Security 0 new, Internal 0 new, Employee 0 new, Forum, Add a New Post, General, Security, Internal, Employee, Users

- ➢ The admin is able to remove notices by choosing the Delete link displayed next to each notice.
- ➢ The details are then posted in GET form to the same page and validated.
- ➢ MD5 of the particular notice ID is also posted to prevent direct access of the page by typing the address in the address bar or running malicious scripts.
- ➢ A confirmation message box is then displayed using JavaScript.
- ➢ If the admin chooses OK, the notice is removed from the database.

Add/Edit/Delete User: For admin only

> ❯ **Users**

Menu: Home, Change Password, Notices, Add Notice, General 3 new, Security 0 new, Internal 0 new, Employee 0 new, Forum, Add a New Post, General, Security, Internal, Employee, Users

* Username : _____

* Name : _____

Department : _____

* Password : _____ (leave empty to retain existing password)

* Confirm Password : _____ (leave empty to retain existing password)

Add

* - Mandatory Fields

Username	Name	Department	Operation
ilam	Ilambharathi Kanniah	Design	Delete / Edit
sathish	SathishGP	Manufacturin	Delete / Edit
sug	Suganth Krishna	Manufacturing	Delete / Edit

Adding Users

➢ The admin is provided with a form asking for Username (varchar), name (varchar), Department (varchar), Password and Confirm Password (varchar).
➢ The Username, Name, Password and Confirm Password are mandatory fields.
➢ CORRECT - The correct details when entered notify the admin as having successfully added the user.
➢ INCORRECT – The following error is shown if user could not be added (empty field(s), passwords not matching etc.).
 • Error in the data.

Editing Users

➢ The admin has an edit option next to all users displayed below the form.
➢ He can choose to edit any of the fields.
➢ He can leave the password fields empty to retain the existing password.
➢ CORRECT - The correct details when entered notify the admin as having successfully added the user.
➢ INCORRECT – Error message is shown if user could not be added (empty field(s), passwords not matching etc.)

Deleting Users

➢ Admin can delete users using the option provided next to each user.
➢ The required details are then posted in GET form to the same page and validated.
➢ MD5 of the particular user's password is also posted to prevent direct access of the page by typing the address in the address bar or running malicious scripts.
➢ A confirmation message box is then displayed using JavaScript.
➢ If the admin chooses OK, the notice is removed from the database.
➢ The user's details are then removed from the database.

Page Not Found
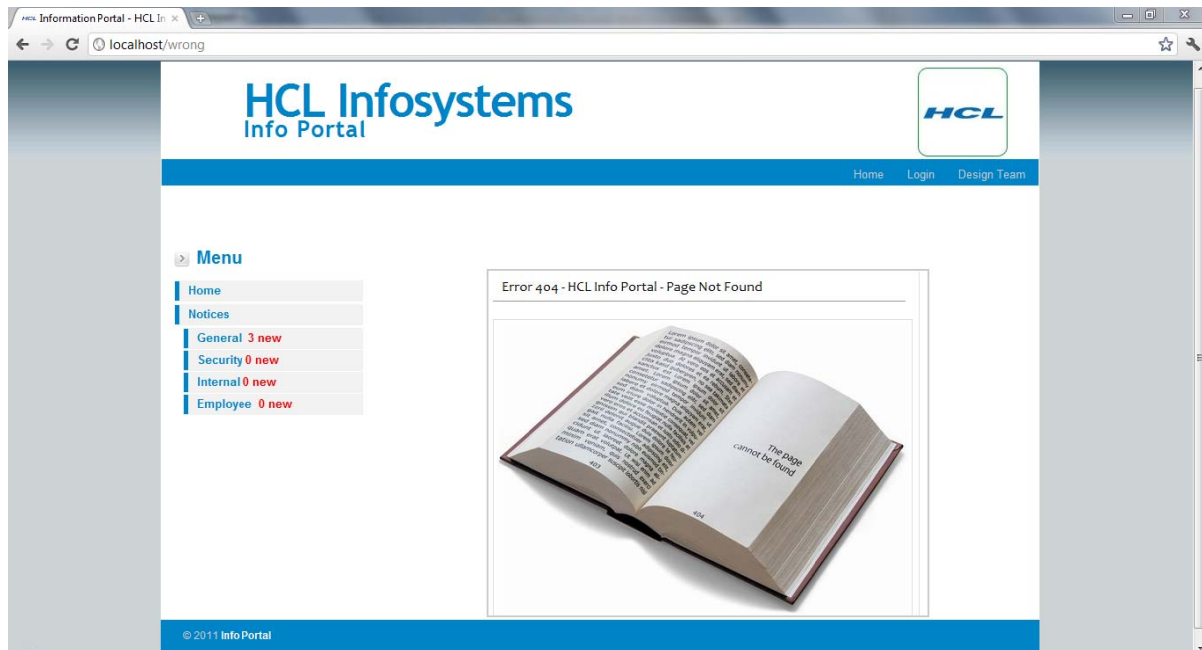
> The above page is displayed when the page requested is not found.

Unauthorised pages not accessible
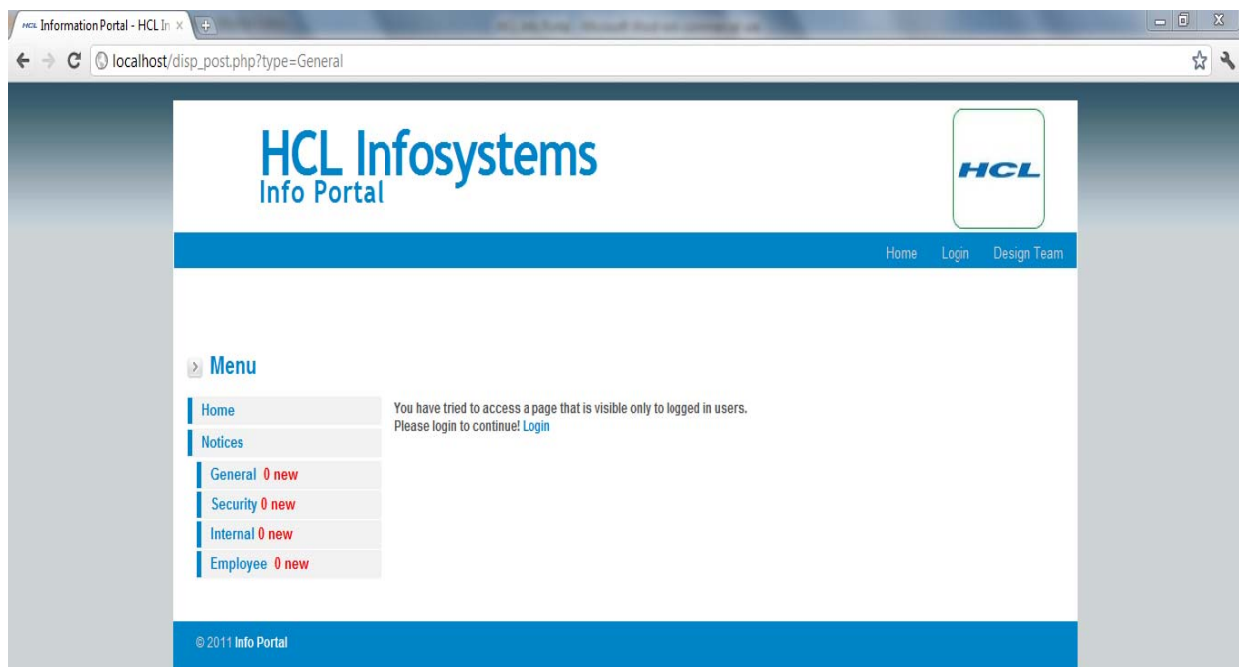
> If any person tries to view a page which he/she should not access, they will be greeted by a message asking them to Login / Page showing that it is accessible only by the Administrator.

Administrator Details :

Username: admin

Password: admin

XAMPP Settings:

- ➢ Copy the folder "xampp" to the desired location and start "xampp-control", click Setup icon and press Enter twice if it mentions that current directory is not matching with the old one.
- ➢ Now, start Apache and MySQL are to be started.Click on "Start" on both of them.
- ➢ Now find the IP address of the computer by opening up command prompt and typing "ipconfig". eg : 172.16.10.200
- ➢ Now open up xampp->htdocs->header.php
- ➢ Change the line number 13 to "define('WWWROOT',"http://172.16.10.200");"
- ➢ To add to startup, create a shortcut to xampp-control in the Startup folder of the Windows machine.