

WEB DESIGN

Guidance:

Read every step below carefully before you create the website. You are please to ask the judge if you have any problem concerning the requested form. Time to read about 30 minutes.

Task:

You are required to create Indonesia Journal Online website. The website consists of several pages, with appropriate internal links, and if relevant, external links as well. The website must be accessible to a wide audience and must therefore follow basic usability and accessibility and W3C (XHTML, CSS) guidelines.

Certain Rules:

1. All the competitors is not permitted to use own files or data. All will be provided by the committee.
2. Not all the given data / files should be used. The competitor may choose all or some of the files according to the design concept intended.
3. No wizard function to create a page (harm full by judged).
4. Script by Java and PHP is free to choose.
5. There are at least 8 pages in the website.

Content of Website:

Your website must include the following design elements and functionality:

1. An index/home page comprising.

- a) An animation appropriate for the online job search website [To be located on the home page].
 - b) Provided link to page author, user, librarians as admin
 - c) Browse journal ; by title and by subject (mathematics, computer, electronic, etc)
 - d) News
 - e) Info related to journal e.g New journals.
 - f) Register for account.
 - g) Add journals to the basket or Cart.
2. About section comprising.
- a) Contact Us.
 - b) Site Map
 - c) Help
3. Journal Catalogue
- a) Search Engine consist of two functionality ; quick search and advanced search that allows end user to search for any information from the journal database based on keyword(s), e.g keyword, author, title, subject, etc. Search results should include information from any page including journals information.
 - b) A to Z alphabetical listing of catalogue journal.
4. Site Map is dynamically linked to the menu. When a menu item is created/updated/deleted in the CMS, a site map element is automatically created/updated/deleted.
5. Contact Section
6. Navigation.
- a) Footer information (Privacy policy, legal and copyright information).
 - b) A Navigation including main, sub-menu, search, site map, contact

Your website must comply with the following technical specifications:

1. The website code should validate to XHTML 1.0 Strict.
2. Accessibility and usability standards:
 - a) Use Alt tags
 - b) Cross-browser compatible.
 - c) Allow end user to change font size.
 - d) Work in different screen resolutions (Native: 1024 pixels by 768 pixels). *Note: Judges will evaluate the website based on native screen resolution and check it in 1024 pixels x 768 pixels.*
 - e) Use the tab key to navigate through menu and form input boxes.
 - f) Format layout and presentation using CSS – [table-less page/template layout].
 - g) Identify row and column headers for tabulated data.
 - h) Provide sufficient contrast between text and background colours.
 - i) Keep navigation systems consistent
 - j) Use internal documentation in PHP, XHTML, and CSS.
 - k) Use label tags for form input fields
3. Author page supported to open journals and upload new journals.
4. Librarian page consist of journals update, download, and price list.
5. User page consist of upload journals, FAQ, and download premium journals.
6. The Member registration area should collect the following data:

Note

- M – Mandatory
- O - Optional
- P – Public
- H – Hidden

- | | |
|---------------------|------------------------|
| a. Title M H | j. Phone Number M H |
| b. First Name M H | k. Email Address M H |
| c. Last Name M H | l. Fax O H |
| d. Organisation | m. Mobile Phone O H |
| e. Country O H | n. Affiliation O H |
| f. Province O H | o. User Name M H |
| g. Address O H | p. Password M H |
| h. City O H | q. Email M H |
| i. Country M P | |

7. Search Engine Optimization:

- a) Use meta tags with proper meta tag information [e.g. Description and Key Words.
- b) Use search engine friendly URL's
 - Ex: Not a search engine friendly url:
<http://www.journalonline.com?page=contact>
 - Ex: Search engine friendly url:
<http://www.journalonline.com/contact>
or <http://www.journalonline.com/contact.html>

8. Admin/Librarians Module should be integrated into the website and should:

- a) Allow admin/librarians to add, modify, or delete menu items.
- b) Allow admin/librarians to add, modify, or delete member.
- c) Allow admin/librarians to add, modify, or delete web site content.

Note : The admin/librarians area is integrated into the website

9. Security Details

- a) Encrypt passwords in database.

- b) Safe handling of variables (Guard against PHP and MySQL code injection).
- c) Validate form field entries that are mandatory. Choose client side or server- side validation.

Criterion ID	Criterion Description	Total
A	Animation	10.00
B	Graphic Template Design	25.00
C	Front End Implementation	25.00
D	Back End Implementation	40.00
TOTAL		100.00