



Department of Social and Preventive Medicine

Guideline for Managing
the SPM website

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2008

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Introduction

The Department of Social and Preventive Medicine website was first started by Professor Awang Bulgiba back in 1995 as *www.umm.edu.my/fom/dept/spm*. It was then updated by various other staff from the department when Professor Awang went for his PhD in 2001. Dr Karina Razali and Dr Quek Kia Fatt were the staff involved in the update until 2005. From 2005, the website has been under the care of Dr Victor Hoe Chee Wai. The URL for the website has evolved to *http://spm.umm.edu.my* and the final URL is *http://spm.um.edu.my*. The language used for the site has also changed from html pages to a more dynamic page using PHP in 2008.

Webpage format

The website is divided into 2 main divisions – the header and the body. The header is the top most of the webpage which include the Department of SPM banner, the links and the current date. The information for the header section is located within the ‘header.php’ files on the main folder (level-0), the ‘about’ folder (level-1) located within the main folder and the ‘about’ folder (level-2) located within the about folder in the main folder. The use of the ‘header.php’ files depends on the level of the main body text is located; i.e. if it is located within the main folder then level-0 ‘header.php’ is used and if it is located within a folder in the main folder then the ‘header.php’ located in the about folder is used.

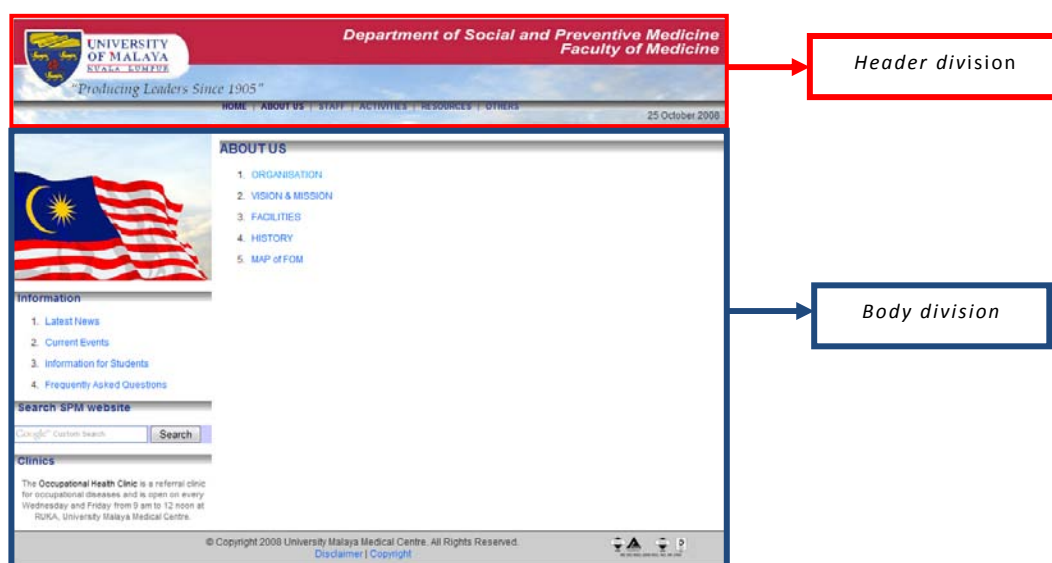


Figure 1: Screen Image of a webpage showing the header and body division

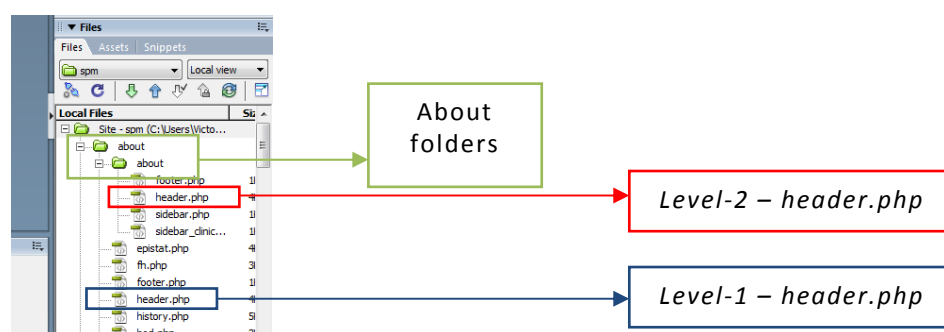


Figure 2: Screen Image of a Dreamweaver's file menu showing the about folders

The second division is the body division – it contains the bodytext, the sidebar and the footer division. The 'bodytext' is the main text of the webpage, it contain the main information of the page. The information is located in the separate '.php' files in the main folder; e.g. the "index.php" file in the about folder will display the 'ABOUT US' page/menu in the bodytext (as seen in the figure above). The 'sidebar.php' file located in the main menu contain the information on the sidebar section for level-0 files, as with the 'header.php' file, level-1 of the 'sidebar.php' is located in the about folder and the level-2 'sidebar.php' is located in the about folder within the about folder. This is same for the footer division which information is located in the 'footer.php' files.

The explanation of the structure of the files will be dealt with in the later sections.

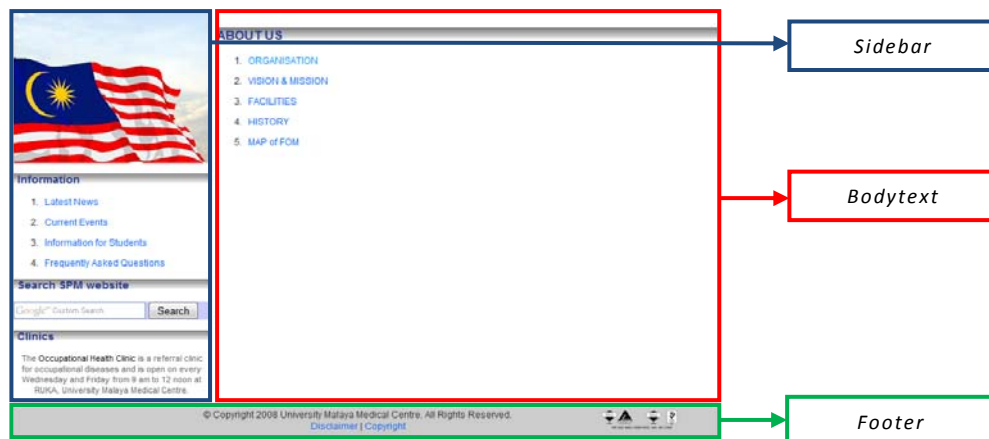


Figure 3: Screen Image of a webpage showing the body section with sidebar, bodytext and footer

Website codes

The SPM website uses both server side codes and client side codes. Server side codes are codes that tell the 'server' what to do. The server is where all the files of a website are located (hosted), in the case of the SPM website, the server is located in 'Pusat Teknologi Maklumat' (PTM) server within University of Malaya. The server side codes are not visible to the user who access the webpage. This codes are use to retrieve information from the server, for example information from a database or another file. In the SPM website all codes located within the '<?php' and '?>' tags are server side codes. The client side codes are codes that tell the internet browser like the Internet Explorer and Mozilla Firefox how to display the webpage. To access something form the server the client need to input a request that will be transmitted to the server, which is then de-code and retransmitted back to the client – the speed will depends on the internet connection speed. But if you put the interaction within the client side codes then the speed of the response will improve.

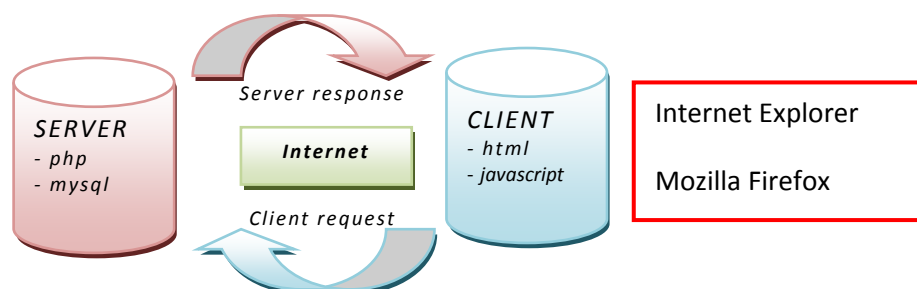


Figure 4: Diagrammatic representation of client request and server response

Homepage

| | Files: | Location: | Description |
|-------|---|-------------|---|
| URL | http://spm.um.edu.my/ | | |
| link: | index.php | main folder | Display the first page, contain the information on the body and links |

| CODES | Description |
|--|---|
| <html> | Open 'tag' To indicate that this is a html page, the web browser will de-code this as a html page |
| <head> | Open 'tag' To indicate the head section of the code – this is not display in the web browser. |
| <!-- Google Web Crawl Verification Tag--> <meta name="verify-v1" content="Ee5sFSHSCKc0WcUwOuqyRYLZeeJJ3R3+mocA1yvqJw=" /> <!-- End Tag --> | This is Google Web Crawler Tag to allow Google to Crawl and index the website. It is placed on the header of the homepage |
| <title>The Department of Social and Preventive Medicine</title> | The title of the page is included in this section – this title will be displayed on the top most area in the browser |
| <link href="css/spm_body.css" rel="stylesheet" type="text/css"> | This links to the Cascading Style Sheet information, it contains information on the structure of the document. |
| <?php include ('header_function.js'); ?> | This is PHP codes which loads or include the Jawa Script File – header_function.js – which describe the function of the drop down menu |
| </head> | Closing tag for head |
| <body onmousemove="closesubnav(event);"> | Opening tag for body of the page – all information between <body> and </body> will be display in the web browser - the 'onmousemove="closesubnav(event);" is called from the header_function.js which was loaded earlier |
| <?php include ('header.php'); include ('header_menu.js'); ?> | This is PHP codes which load the header.php file – contain the image and the links and the header_menu.js – contain information on the type and number of drop down menu. |
| <div id="body"> | Opening tag for the body content – which contain the main body information, side bar and the footer - the tag <div> should always have a close tag </div>, for this case the close tag is located at the end of the document before the close tag for </body> and </html> |
| <div id="boxright"> | All the information within this <div> & </div> tag is included in the right side box, which is the main body content |
| <p class="textbody">The Department of Social and Preventive Medicine (popularly known as SPM) is one of the teaching departments in the Faculty of Medicine, University Malaya. It was formed in 1964, one year after the founding of the Faculty of Medicine in the University of Malaya, Kuala Lumpur. The department are involved in both Undergraduate and Postgraduate teachings. </p> <p class="textbody">The Master of Public Health Programme was started in 1973 to cater to the needs of the country. There are now more than 574 Master of Public Health graduates from Malaysia and around the world. They now serve with distinction in the Ministry of Health, universities and various National and International bodies, for example. Malaysian Armed Forces, WHO, Médecins Sans Frontières (MSF), and in town and city councils in Malaysia and around the world. The postgraduates programme from the Department have expanded to cater to the ever changing world landscape. It now includes Master of Medical Science in Public Health, Master of Public Health Speciality and Doctor of Public Health (DrPH). </p> <p class="textbody">Being a department with a vision and mission, it is dedicated to the discipline of Public Health and looks forward to the future with vigour and enthusiasm. </p> | This is the main content of the page 1. The <p> tag is for paragraph 2. The <p class="textbody"> means the paragraph will have the style of "textbody" as defined in the CSS link at the head of this document 3. <p> tag always have a closing tag - </p> Master of Public Health is link to the file index.php in the mph folder |

| CODES | Description |
|--|--|
| <pre> <p class="textbody"> </p> <p class="textbody"> </p> </pre> | <p>This part of the code is for loading the image </p> <ol style="list-style-type: none"> 1. <img – tag define the image 2. src="images/apacph2008.jpg" linked to the 'apacph2008.jpg' image file which is located in the images folder 3. width="640" – describe the width of the image in pixel 4. height="107" – describe the height of the image in pixel 5. - the target="_blank" directs the browser to opens the link on a new page/tab when click |
| <pre> <p class="sidebarHeader">Latest</p> <p class="textbody">02 September 2009</p> <p class="textbody">The Department of SPM would like to welcome Dr Azlan Darus who have joined the as a Senior Lecturer. He will be attached to the Occupational and Environmental Health Unit.</p> <p class="textbody">25 August 2008</p> <p class="textbody">Dr Guharajan celebrated his two weeks with the Department by treating the staff of the Department with a nice &quot;Mee Curry&quot; during lunch in the Department on 25 August 2008 ... <a href="<?php echo \$CFG->wwwroot; ?>news/lunch_25082008/">more</p> <p class="textbody">22 August 2008</p> <p class="textbody">The Institute of Postgraduate Studies (IPS) had their Open Day for postgraduate students on the 22 August 2008 ... <a href="<?php echo \$CFG->wwwroot; ?>news/ips_openday_22082008/">more</p> <p class="textbody">... more news</p> <p class="textbodyheader">Direction to Faculty of Medicine KL Rail System UM Anthem</p> </pre> | <p>Continuation of body text</p> <p>The <a href="<?php echo \$CFG->wwwroot; ?> news/lunch_25082008/">, the <?php code \$CFG->wwwroot; ?> is a php tag, which use the variable form the array \$CFG->wwwroot which is loaded earlier in the header.php file.</p> |
| </div> | Closing tag for the <div id="boxright"> |
| <pre> <?php include ('sidebar.php'); include ('footer.php'); ?> </pre> | This part of the PHP code load or include the sidebar.php and the footer.php |
| </div> | Closing tag for the <div id="body"> |
| </body> | Closing tag for the <body> tag |
| </html> | Closing tag for the <html> tag – don't write anything after this tag. |

Associated Files

| | Files: | Location: | Description |
|------|-------------------|-------------|--|
| link | header.php | main folder | Contain the information of the header, which include links |

| Code | Description |
|--|---|
| <pre><div align="center"> <div id="container"> <div id="containerbg"></pre> | <p>This code is the open tag for placing the entire web page on the centre of the webpage if the page is wider than the widest size of the web page which is currently set at 900 pixel</p> <p>The id="container" and id="containerbg" are the CSS tags linked in the main html codes, i.e. the index.php</p> |
| <pre><div class="topbar"></pre> | <p>The header is place between the <div class="topbar"> ... </div> section</p> |
| <pre><?php require_once ('config.php'); ?></pre> | <p>This php code load the config.php file which</p> |
| <pre></pre> | <p>This code loads the header image which is located in the images folder, to change the header image just change the header.jpg in the images folder, just make sure it is 900X134 pixel</p> |
| <pre><div id="globalNav"></pre> | <p>Opening tag for the look of the main navigation bar</p> |
| <pre><div id="globalLink"></pre> | <p>Opening tag for the main individual link</p> |
| <pre><a href="<?php echo \$CFG->wwwroot; ?>" id="gl1" class="glink" onMouseOver="ehandler(event,menuitem1);">HOME </pre> | <p>Code for the 'Home' link,</p> <ol style="list-style-type: none"> 1. <a href="<?php echo \$CFG->wwwroot; ?>" id="gl1" class="glink" tag, which use the variable form the array \$CFG->wwwroot which is loaded earlier from the 'config.php' file – this code will print the \$CFG->wwwroot variable which is http://spm.um.edu.my/ 2. id="gl1" is the code associated with the header_function.js 3. onMouseOver="ehandler(event,menuitem1) – the code associated with header_function.js – which means if you place your mouse over the text it will launch the next events – in this case the "subglobal1" event |
| <pre>ABOUT US </pre> | <p>onMouseOver="ehandler(event,menuitem2) – the code associated with header_function.js – which means if you place your mouse over the text it will launch the next events – in this case the "subglobal2" event</p> |
| <pre>STAFF ACTIVITIES RESOURCES OTHERS </div> <!-- end gobalLink --></pre> | |
| <pre></div> <!-- end globalNav --></pre> | |
| <pre><div id="subglobal1" class="subglobalNav"> </div></pre> | |
| <pre><div id="subglobal2" class="subglobalNav"> ORGANISATION VISION & MISSION FACILITIES HISTORY MAP of FOM </div></pre> | <p>Code for the second level link – which is linked to gl2 – "ABOUT US" – the id="subglobal2" is the id linked to gl2.</p> |

| Code | Description |
|--|---|
| <pre><div id="subglobal3" class="subglobalNav"> ACADEMIC STAFF SUPPORT STAFF VISITING LECTURERS ADDRESS STAFF DEVELOPMENT HEAD OF DEPARTMENT </div></pre> | |
| <pre><div id="subglobal4" class="subglobalNav"> UNDERGRADUATE GRADUATE RESEARCH CONSULTATION LATEST NEWS EVENTS </div></pre> | |
| <pre><div id="subglobal5" class="subglobalNav"> PUBLICATION RESEARCH REPORTS STUDENTS' INFO HEALTH LINKS TEMPLATES LIBRARY </div></pre> | |
| <pre><div id="subglobal6" class="subglobalNav"> POSTGRADUATE ALUMNI UM UMMC FOM Portal UMMC Mail UM Mail CONTACT US </div></pre> | |
| <pre><!-- start insert today's date --> <div id="subglobalheader_right"> <?php echo date("d F Y"); ?> </div> <!-- end insert today's date --></pre> | <p>The php code insert the current computer date The <div id="subglobalheader_right"> </div> place the date on the bottom right of the header section</p> |
| <pre></div></pre> | <p>Closing tag for the header section – i.e. the <div class="topbar"></p> |

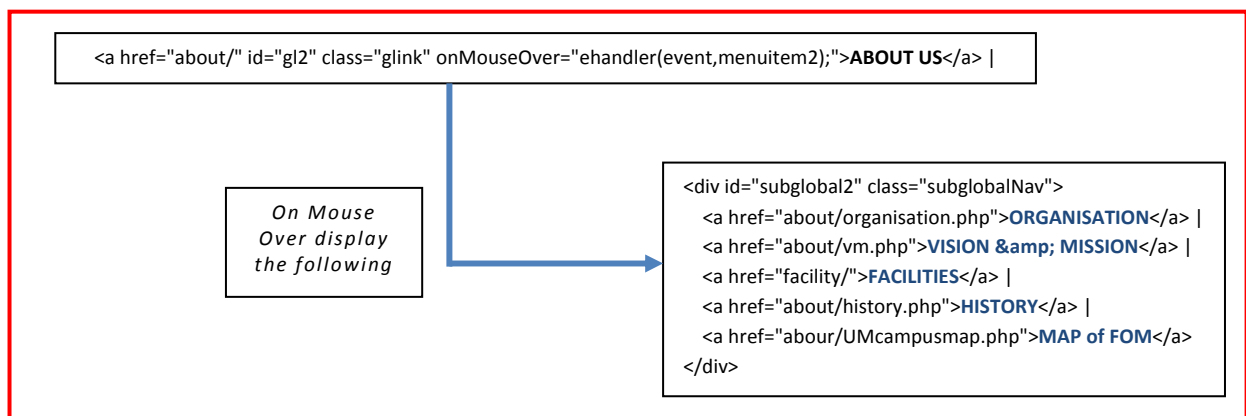


Figure 5: Diagrammatic Representation on the mouse over event

| | Files: | Location: | Description |
|------|-----------------------------|-------------|---|
| link | sidebar.php | main folder | Contain the information of the sidebar, which include links |

| Code | Description |
|---|--|
| <div id="boxleft"> | Opening tag for the sidebar, the sidebar section is placed between the <div id="bodysidebar"> </div> tags |
| | This code insert the image 'spm1.jpg' from the images folder and the size of the image is 250 px X 200 px, and border size is zero('0'). Alternatively if the image is not available it will display the message 'Welcome to SPM' |
| <?php If (\$_GET['menu']) { \$menu_item = "menu/" . \$_GET['menu'] . ".php"; include (\$menu_item); } else { ?> | This php codes include the menu option codes. This codes are located in the menu folder. If (\$_GET['menu']) { If the variable 'menu' is there 'Do something' } else { or else 'Do something else' } |
| <p class="sidebarHeader">Information</p> <p>Latest News </p> <p>Current Events </p> <p>Information for Students</p> <p>Frequently Asked Questions</p> | This is what the something else the 'If ... else ...' statement will do if they do not find the variable 'menu'. It is a HTML code means orderly list (i.e. 1, 2, 3,) is for an orderly list or for icon or tag list each item, it must lies between or |
| <?php } include('spmsearch.php'); include ('sidebar_clinic.php'); ?> | This php codes will include the file 'spmsearch.php' – which is code obtain from Google, it uses Google to search the http://spm.ummc.edu.my 'sidebar_clinic.php' – opens |
| </div> | Closing tag for the footer, the footer section is placed between the <div id="sidebar"> </div> |

| | Files: | Location: | Description |
|------|----------------------------|-------------|--|
| link | footer.php | main folder | Contain the information of the footer, which include links |

| Code | Description |
|--|---|
| <div id="bodyfooter"> | Opening tag for the footer, the footer section is placed between the <div id="bodyfooter"> </div> |
| <div id="bodyfooter_left"> </div> | All information place between the <div id="bodyfooter_left"> </div> - will be located on the left up to 150 pixel in width. So information usually placed here is a logo. |
| <div id="bodyfooter_centre">© Copyright 2008 University Malaya Medical Centre. All Rights Reserved. Disclaimer Copyright </div> | All information/text placed between the <div id="bodyfooter_centre"> </div> will be located at the centre of the footer. "©" is the code in HTML for © The Disclaimer is a link that opens the "disclaimer.php" document located on the main folder (level-0). |
| <div id="bodyfooter_right"> </div> | All information place between the <div id="bodyfooter_right"> </div> - will be located on the right up to 150 pixel in width. So information usually placed here is a logo. The '' code insert the ISO image located in the 'images' folder |
| </div> | Closing tag for the footer, the footer section is placed between the <div id="bodyfooter"> </div> |
| </div> </div> </div> | Closing tag for <div align="center"><div id="container"> <div id="containerbg"> ... </div></div></div> which is located in the header.php file |

The 'header.php', 'sidebar.php' and 'footer.php' located on the main folder are only for files located in this folder, for level-1 and level-2 folders, use the files located in the 'about' folder for level-1 and 'about/about' folder for level-2. The only different in the codes are access to links.

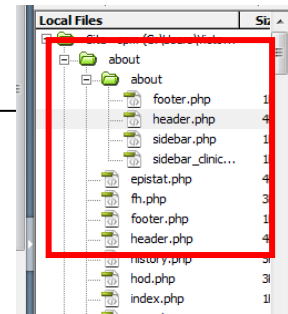
The 'header.php' file in the main folder

```
<div align="center">
<div id="container">
<div id="containerbg">

<div class="topbar">

<?php
require_once ('config.php');
?>


<div id="globalNav">
    <div id="globalLink">
<a href="<?php echo $CFG->wwwroot; ?>" id="g11" class="glink" onMouseOver="ehandler(event,menuitem1);">HOME</a> |
<a href="about/" id="gl2" class="glink" onMouseOver="ehandler(event,menuitem2);">ABOUT US</a> |
.....
```



The 'header.php' file in the about folder (level-1)

```
<div align="center">
<div id="container">
<div id="containerbg">

<div class="topbar">

<?php
require_once ('../config.php');
?>
<div id="globalNav">
    <div id="globalLink">
<a href="<?php echo $CFG->wwwroot; ?>" id="g11" class="glink" onMouseOver="ehandler(event,menuitem1);">HOME</a> |
<a href=" ../about/" id="gl2" class="glink" onMouseOver="ehandler(event,menuitem2);">ABOUT US</a> |
.....
```

The 'header.php' file in the about/about folder (level-2)

```
<div align="center">
<div id="container">
<div id="containerbg">

<div class="topbar">

<?php
require_once ('../../config.php');
?>
<div id="globalNav">
    <div id="globalLink">
<a href="<?php echo $CFG->wwwroot; ?>" id="g11" class="glink" onMouseOver="ehandler(event,menuitem1);">HOME</a> |
<a href=" ../../about/" id="gl2" class="glink" onMouseOver="ehandler(event,menuitem2);">ABOUT US</a> |
.....
```

The '../' code means go down one level in the menu, so '../../' means go down two level. The code '../config.php' means go down two level from the Level-2 folder and open the config.php located in the main folder. To open files in different folder from the current one, go down to the main folder and then go back up; e.g. '../menu/info.php' means open the 'info.php' file located in the menu folder from any level-2 folder.

| | Files: | Location: | Description |
|------|------------------------------------|-------------|---|
| link | header_function.js | main folder | This is a javascript which is loaded along with the 'body' files, the code to load the file is located in the <head> </head> sections. |

| Code | Description |
|---|---|
| <pre> <script type="text/javascript"> <!-- var time = 6000; var numofitems = 7; //menu constructor function menu(allitems,thisitem,startstate){ callname= "gl"+thisitem; divname="subglobal"+thisitem; this.numberofmenuitems = 6; this.caller = document.getElementById(callname); this.thediv = document.getElementById(divname); this.thediv.style.visibility = startstate; } //menu methods function ehandler(event,theobj){ for (var i=1; i<= theobj.numberofmenuitems; i++){ var shutdiv=eval("menuitem"+i+"."+thediv); shutdiv.style.visibility="hidden"; } theobj.thediv.style.visibility="visible"; } function closesubnav(event){ if ((event.clientY <80) (event.clientY > 140)){ for (var i=1; i<= numofitems; i++){ var shutdiv =eval('menuitem'+i+'.'+thediv); shutdiv.style.visibility='hidden'; } } } // --> </script> </pre> | <p><i>This codes is javascript codes which describe the method for construction of the menu and display of the menu.</i></p> <p><i>The 'var time' variable is in millisecond on time the sub-menu will be display after 'mouse over' the main menu.</i></p> <p><i>The 'var numofitems' define the number of main menu item.</i></p> |

| | Files: | Location: | Description |
|------|--------------------------------|-------------|--|
| link | header_menu.js | main folder | This is a javascript which is loaded along with the 'body' files, the code to load the file is located in the <body> ... </body> just below the ' include ('header.php'); ' code |

| Code | Description |
|--|--|
| <pre> <script type="text/javascript"> <!-- var menuitem1 = new menu(7,1,"hidden"); var menuitem2 = new menu(7,2,"hidden"); var menuitem3 = new menu(7,3,"hidden"); var menuitem4 = new menu(7,4,"hidden"); var menuitem5 = new menu(7,5,"hidden"); var menuitem6 = new menu(7,6,"hidden"); var menuitem7 = new menu(7,7,"hidden"); // --> </script> </pre> | <p><i>This codes is javascript codes which describe menu items – in this case there is 7 main menu item coded from 1-7</i></p> |

News Files

| | Files: | Location: | Description |
|------|------------------|--------------------------|--|
| link | Index.php | news/ 42MSCM_31072008 | This is one of the sample of news files that can be used for editing news. |

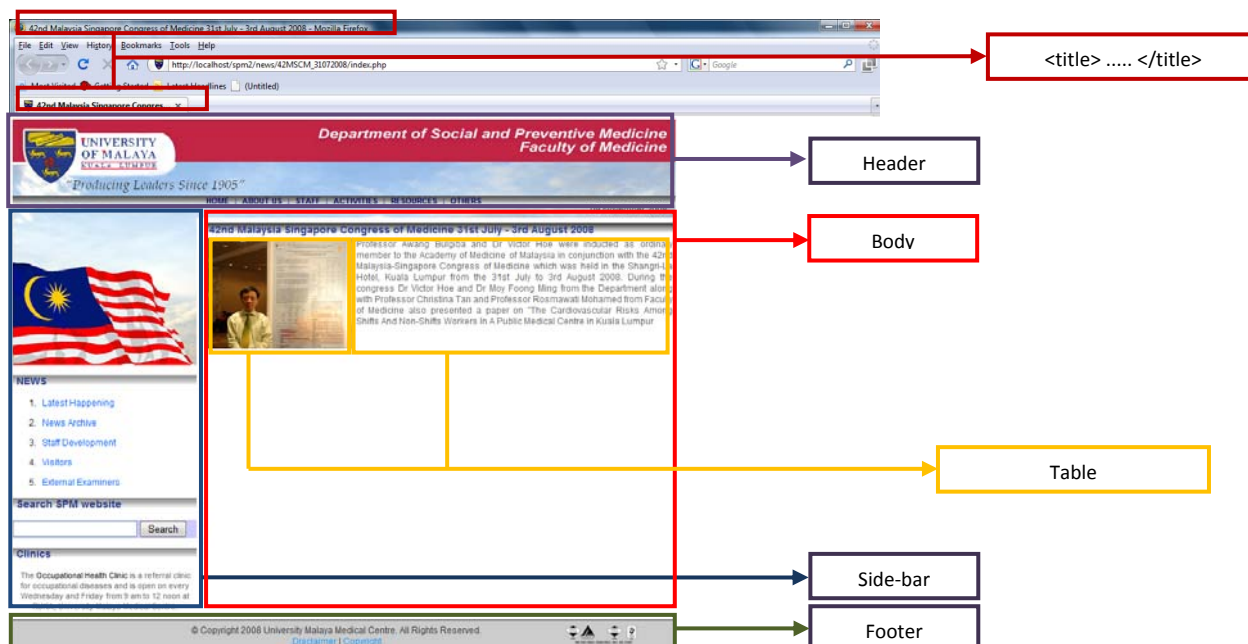


Figure 6: Screen Image of a webpage showing page located at http://spm/news/42MSCM_31072008/

| Code | Description |
|--|---|
| <html> | <i>Open 'tag'</i> To indicate that this is a html page, the web browser will de-code this as a html page |
| <head> | <i>Open 'tag'</i> To indicate that this is a html page, the web browser will de-code this as a html page |
| <title>42nd Malaysia Singapore Congress of Medicine 31st July - 3rd August 2008</title> | The title of the page is included in this section – this title will be displayed on the top most area in the browser – <i>This part of the code is use by Google's web crawler to index the page, so a appropriate title will ensure that the page will be displayed early in Google search.</i> |
| <link href="../../../css/spm_body.css" rel="stylesheet" type="text/css"> | This links to the Cascading Style Sheet information, it contains information on the structure of the document. |
| <?php include ('../../header_function.js'); > | This is PHP codes which loads or include the Jawa Script File – header_function.js – which describe the function of the drop down menu include ('../../header_function.js') – the '../../' means the file is located 2 level down from the location of the current file |
| </head> | <i>Closing tag for head</i> |
| <body onmousemove="closesubnav(event);"> | Opening tag for body of the page – all information between <body> and </body> will be display in the web browser - the 'onmousemove="closesubnav"(event);' is called from the header_function.js which was loaded earlier |
| <?php include ('../../about/about/header.php'); include ('../../header_menu.js'); > | This is PHP codes which load the header.php file – contain the image and the links and the header_menu.js – contain information on the type and number of drop down menu. include ('../../') – the '../../' means the file is located 2 level down from the location of the current file |



Note: Clicking of the thumbnail image above will display the enlarge image below (width of 640 pixel)

Figure 7: Screen Image of a webpage showing page located at http://spm/news/42MSCM_31072008/?img=spm01.jpg

| Code | Description |
|---|---|
| <pre><div id="body"> <div id="boxright"></pre> | <p>Opening tag for the body content – which contain the main body information, side bar and the footer</p> <p>- the tag <div> should always have a close tag </div>, for this case the close tag is located at the end of the document before the close tag for </body> and </html></p> |
| <pre><?php if (\$_GET['img']) {</pre> | <p>This is the <i>php</i> code use for displaying the image.</p> <p>The code uses the <code>\$_GET['...']</code> procedure which is executed by the '?' on the address line.</p> <p>The '<code>if (..X..) {...A..} else{..B..}</code>' code is if condition 'X' is fulfilled that execute 'A', if not then execute 'B'.</p> <p>In this case is there is a <code>[?img='...']</code> in the address line display the image else display the news content .</p> |
| <pre>echo "";</pre> | <p>The code 'echo' will print or place the codes in the html code that appear on the client side, i.e. what is seen on the webpage.</p> <p>To execute the <i>php</i> code the ';' must be placed at the end of the code line.</p> <p>The three line code will display the following in the client side web browser – '<code></code>'</p> <p>The html code of <code></code> will is to display the image</p> <p>The <code>src="..."</code> is the location of the image</p> <p>The <i>width</i> and <i>height</i> specified the size in pixel</p> |
| <pre>} else { ?></pre> | |
| <pre><table border="0" width="100%"> <tr class="textbody"> <td colspan="2" class="header">42nd Malaysia Singapore Congress of Medicine 31st July - 3rd August 2008</td> </tr> <tr class="textbody"></pre> | <p>This html code to for displaying table for the news content page. The open and close table code is <code><table> ... </table></code>. Everything between both the tag will be display as table.</p> |
| <pre><td height="22"></td></pre> | <p>This html code display the image (thumbnail) '<i>spm01s.jpg</i>' and the <code>href="..."</code> hyperlinked to another page/image – the code <code>href="?img=spm01.jpg"</code> will call the same page but in the <i>if ... else ...</i> code will display the image <i>spm01.jpg</i>.</p> |

| Code | Description |
|--|--|
| <pre><td height="22" class="textbody"><p>Professor Awang Bulgiba and Dr Victor Hoe were inducted as ordinary member to the Academy of Medicine of Malaysia in conjunction with the 42nd Malaysia-Singapore Congress of Medicine which was held in the Shangri-La Hotel, Kuala Lumpur from the 31st July to 3rd August 2008. During the congress Dr Victor Hoe and Dr Moy Foong Ming from the Department along with Professor Christina Tan and Professor Rosmawati Mohamed from Faculty of Medicine also presented a paper on &quot;The Cardiovascular Risks Among Shifts And Non-Shifts Workers In A Public Medical Centre in Kuala Lumpur</p> </td></pre> | The code for the news content |
| </table> | Closing tag for the table |
| <pre><?php } ?></pre> | Closing <i>if</i> (<i>..X..</i>) { <i>..A..</i> } <i>else</i> { <i>..B..</i> } tag |
| </div> | Closing </div> tag for the 'body' section/division |
| <pre><?php \$_GET['menu'] = "news2"; include ('../about/about/sidebar.php'); include ('../about/about/footer.php'); ?></pre> | This code display the sidebar section/division and the footer section/division |
| <pre></div> </body> </html></pre> | Closing html tags |

The above codes/files are useful as a template for displaying news with one image and text news content. For news with more images use the codes/files from 'news/APACPH2006/index.php' and 'news/um_wellness_24062008/index.php' as your template. The choice depends on the format that you preferred to display your images. The codes are similar with the one above, explanation will only be on those that are different from the above.

| | Files: | Location: | Description |
|------|---------------------------|------------------|--|
| link | Index.php | news/ APACPH2006 | This is one of the sample of news files that can be used for editing news. |

| Code | Description |
|--|--|
| <?php | Opening <i>php</i> tag |
| <pre>// enter the number of image to be display here // please ensure that after the number there should be followed with a ';' // save pictures to be displayed in the same folder as the news article // thumbnail should be saved as 'spm01s.jpg' // the main picture should be saved as 'spm01.jpg' // the numnber i.e. 01 should be continous i.e. 01, 02, 03 18 // best format for picture is 640 px (width) X 480 px (height) // besf format for thumbnail is 200 px (width) X 150 px (height)</pre> | Code after '///' are note and will not be executed or display on the webpage/web browser (client side), it will only be display at the server end of the code |
| \$no_img = 18; | This is variable for number of image – change the number depending on the number of image. In this example '18' image will be display. Images are display in 3 columns, so it is advisable to use the number image in multiple of '3'. |
| ?> | Closing <i>php</i> tag |
| <?php | Opening <i>php</i> tag |

| Code | Description |
|---|--|
| <pre>if (\$_GET['img']) { // code for generating header for picture echo "<p class=\"textbody_centre\">\n";</pre> | <p>This is the <i>if {...X...} {...A...} else {...B...}</i> code. The <i>if {...X...} {...A...} else {...B...}</i> code can be place within a <i>if {...X...} {...A...} else {...B...}</i> code. For example in this code</p> <pre>if (...X...) { if (...Y...) { if (...Z...) {...E...} else {...F...} } else {...D...} } else {...B...}</pre> <p><i>X, Y & Z is the condition and B, D, E & F is the action</i></p> |
| <pre>if ((\$_GET['img']) > 1) {</pre> | <p>If there is a request '<i>?</i>' in the address line and the 'img' is more than '1' then</p> |
| <pre>echo "&lt;&lt; &lt;/a>";</pre> | <p>Let put the \$_GET['img'] is '2' This code will display the following html code – '&lt;&lt;', the '&lt;' is the code for '<' – so the above code will display the following '<<' – with hyperlink to image '1'</p> |
| <pre>} else {</pre> | <p>This is the 'else' statement in the '<i>if else</i>' statement</p> |
| <pre>echo "&lt;&lt;";</pre> | <p>If the 'img' is one or less than the code will display '<<' without the hyperlink</p> |
| <pre>}</pre> | <p>Closing code of the '<i>if else</i>' statement</p> |
| <pre>echo "&nbsp;&nbsp;&nbsp;[Image " . \$_GET['img'] . " of " . \$no_img . "]&nbsp;&nbsp;&nbsp;";</pre> | <p>The code will display the following html code – ' 2 of 18 ' – the '&nbsp;&nbsp;&nbsp;' is html code for space</p> |
| <pre>if ((\$_GET['img']) < \$no_img) { echo "&gt;&gt;&lt;/a>"; } else { echo "&nbsp;&nbsp;&nbsp;&gt;&gt;&gt;"; }</pre> | <p>This code is similar with the previous one which ascertain if the last image have been reach, if not then display '>>' with link to the next image – in the example above image '3'. If the last image have reach then display '>>' without the link.</p> |
| <pre>echo " \n<a href=\"?\"[News Page]\n</p>\n";</pre> | <p>This code display '[News Page]' which is hyperlinked to the news page</p> |
| <pre>// codes for displaying image based on the \$_GET['img'] which is the</pre> | |
| <pre>'?img=' echo "<img border=\"0\" src=\"spm\"; if ((\$_GET['img']) < 10) { echo "0\"; }</pre> | <p>The code 'echo' will print or place the codes in the html code that appear on the client side, i.e. what is seen on the webpage. To execute the <i>php</i> code the '<i>;</i>' must be placed at the end of the code line. The three line code will display the following in the client side web browser – <i></i></p> |
| <pre>echo \$_GET['img']; echo ".jpg\" width=\"640\" border=\"0\">\n";</pre> | |
| <pre>} else {</pre> | <p>This is the 'else' statement in the '<i>if else</i>' statement – if this is not a image request then display the news page</p> |
| <pre>?></pre> | <p>Closing <i>php</i> tag</p> |
| <pre><?php</pre> | <p>Opening <i>php</i> tag</p> |
| <pre>// This part of the programme will generate the thumbnail picture // The number of picture is based on "\$no_img" variable entered at the beginning of the file. // If '\$no_img = 0' then no thumbnail will be generated</pre> | <p>Code after '<i>//</i>' are note and will not be executed or display on the webpage/web browser (client side), it will only be display at the server end of the code</p> |
| <pre>if ((\$no_img) > 0) { \$num = 1; \$i = 1; While (\$num <= \$no_img) { if (\$i > 3) { \$i = 1; } echo "<div id=\"pic\" . \$i . \"\">\"; echo "\"; echo "<img src=\"spm\";</pre> | <p>This is the <i>if {...X...} {...A...} else {...B...}</i> code This part of the programme will generate the thumbnail picture The number of picture is based on "\$no_img" variable entered at the beginning of the file. If '\$no_img = 0' then no thumbnail will be generated The '\$i' variable is for either placing the image in place 1, 2 or 3, which is identified by <i>id="pic1"</i>, <i>id="pic2"</i> and <i>id="pic3"</i>.</p> |

| Code | Description |
|--|--|
| <pre> if (\$num < 10) { echo "0"; } echo \$num . ".jpg\" border=\"0\">" ; echo "</div>\n"; \$i = (\$i + 1); \$num = \$num + 1; } </pre> | <p>This part of the code will put a '0' in front of numbers less than 10, i.e. 1-9.</p> |
| // end of generating thumbnail session | |
| ?> | Closing <i>php</i> tag |
| <?php | Opening <i>php</i> tag |
| } | This is the <i>if (...X..) {...A..} else{...B..}</i> code, notice curly bracket ({ or }) are used in the <i>if (...X..) {...A..} else{...B..}</i> code |
| // end of session to differentiate between main news page or picture/image page | |
| ?> | Closing <i>php</i> tag |

Annex 1: Website structure

| Main menu title | File name | File location (folder) | Description |
|-----------------|-----------|--------------------------------|---|
| Home | index.php | main (http://spm.um.edu.my) | This is the home page or the first page when the visitor type the main url – http://spm.um.edu.my |
| About Us | index.php | about | |
| Staff | index.php | staff | |
| Activities | index.php | activities | |
| Resources | index.php | resources | |
| Others | index.php | others | |

| Main Menu | Sub-menu title | File name | File location (folder) |
|------------|---------------------|--------------------------------|------------------------|
| About Us | Organisation | organisation.php | about |
| | Vision & Mission | vm.php | about |
| | Facilities | index.php | facility |
| | History | history.php | about |
| | Map of UM | UMcampusmap.php | about |
| | | | |
| Staff | Academic Staff | index.php | staff/academic |
| | Support Staff | index.php | staff/support |
| | Visiting Lecturer | visiting.php | staff |
| | Address | address.php | staff |
| | Staff Development | index.php | staff/news |
| | Head of Department | hod.php | staff |
| | | | |
| Activities | Undergraduate | index.php | ug |
| | Graduate | index.php | pg |
| | Research | index.php | research |
| | Consultation | index.php | consultation |
| | News | index.php | news |
| | Others | others.php | activities |
| | | | |
| Resources | Publication | Index.php | Publication |
| | Research Reports | Index.php | Research/reports |
| | Student's Info | index.php | Info |
| | Health Links | index.php | Links |
| | Templates | index.php | Templates |
| | Library | http://www.umlib.um.edu.my/ | |
| | | | |
| Others | Postgraduate Alumni | index.php | Alumni |
| | UM | http://www.um.edu.my/ | |
| | UMMC | http://www.ummcc.edu.my/ | |
| | FPUM | http://fom.um.edu.my/ | |
| | UMMC Mail | http://219.94.76.141/exchange/ | |
| | UM Mail | http://ummail.um.edu.my/ | |
| | Contact Us | Address.php | Staff |
| | | | |