Menumst

1. What is Menumst?

- Menu that use to keep track of the menu and the hierarchy of the menu link in our system

2. What is menu hierarchy ?

Figure 2.1: Menu Hierarchy

3. Why we need Menumst?

- To keep track of the Menu in our system

- Menu Hierarchy, for an example, which menu link is the leaf(child) of the accounting module.
- Which page will display what menu list, which menu link will display which page.

- To group the menu based on the system related with it.

 In a system, there are lots of pages where users can do things or see reports. We would need to organize the links properly in their respective section. So, these links are primarily organized using menumst.

- To control user access into the system

 In any system, there need to be access control to make sure each users can only access pages related with their own work. They should not access pages outside their work to ensure data is not misused or used wrongly. This security controlled in menumst as well.

- To group the menu based on the customers' need

 Eventhough we have our own grouping in menumst, sometimes different clients would have different usage. We can redefine the groupings within menumst

Example:

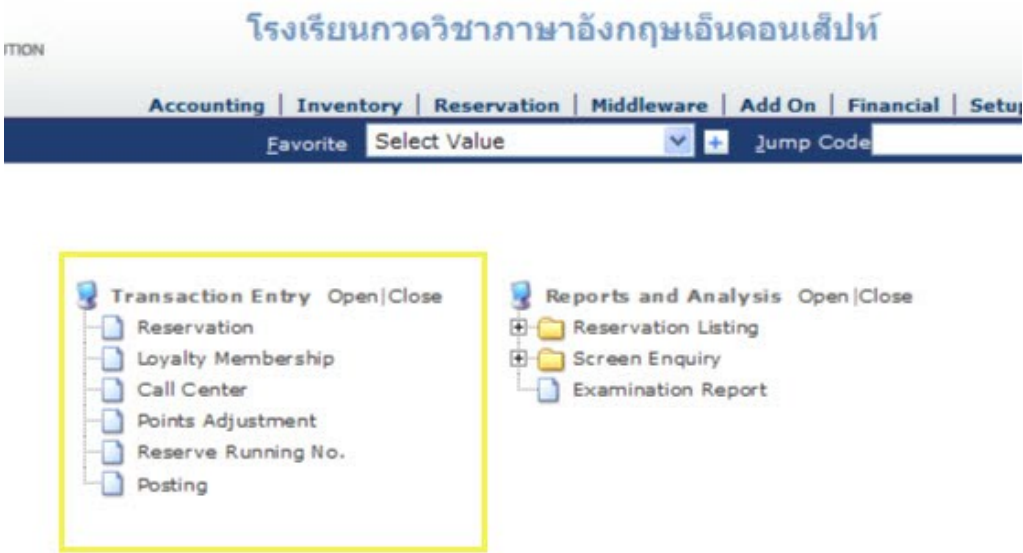**Enconcept**

Figure 3.1: Enconcept Reservation Page

GlobalArt

Figure 3.2: GlobalArt Reservation Page

Description:
Child Menu of the Reservation Transaction Entry in **Enconcept**(refer to Figure 3.1) are ***Reservation, Loyalty Membership, Call Center, Points Adjustment, Reserve Running No. and Posting*** while in **GlobalArt**(refer to Figure 3.2) are ***Reservation, Loyalty Membership, Call Center, Points Adjustment, Reserve Running No., Group Reservation and Call Center (Franchisee)***

4. How do Client/Support use Menumst?

Edit using Support Login.
Url: http://localhost:9999/dev200812/support_login.php (Example)

Menu Add/Edit:
Steps:
1. Login into the support login, click on the link under stxtMenuToolsSetup -> stxtMenuMenuBuilder -> stxtMenuMenu000 - stxtMenuMenu500(either one)
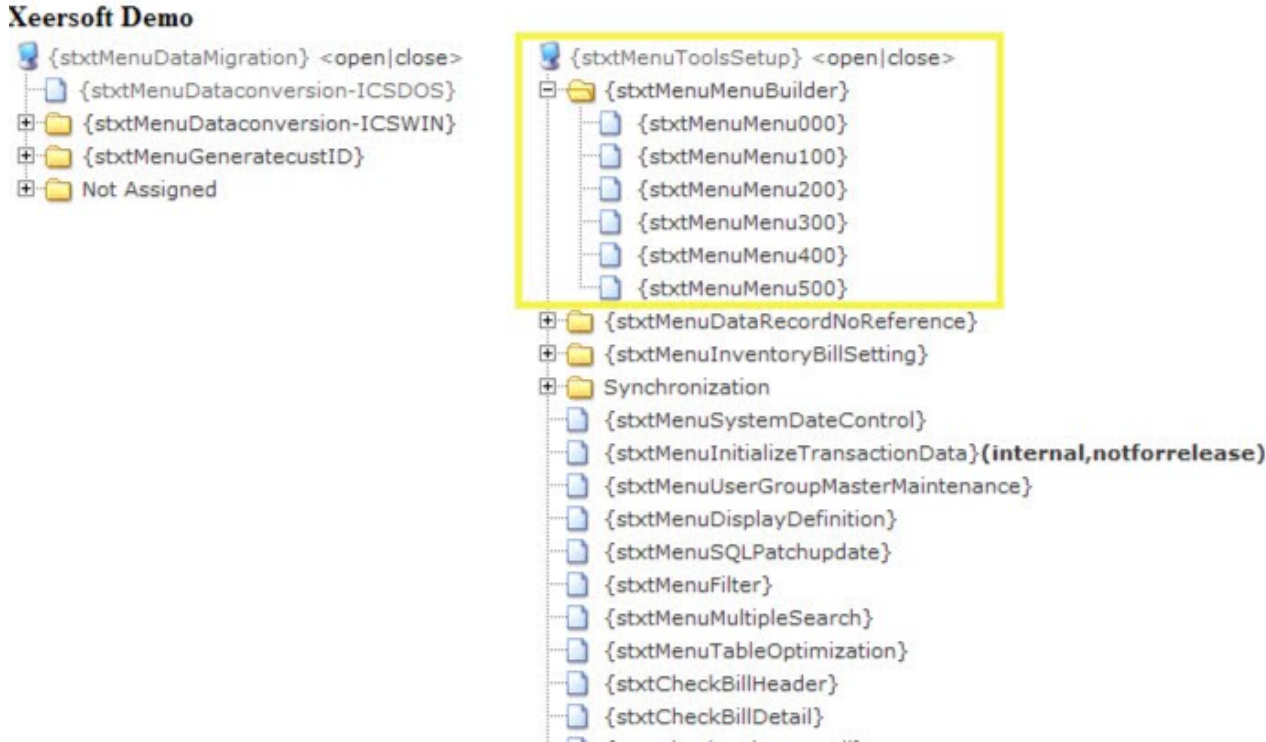

Figure 4.2: Support Login Page -> Menumst

2. Change the menu_number, for example, if i want to edit accounting menu, the number need to be changed to 1000
http://localhost:9999/dev200812/system_menu_builder.php?menu_number=**1000**
(p/s: menu number please refer to 6.1 Table Involved -> Description -> menu_no)
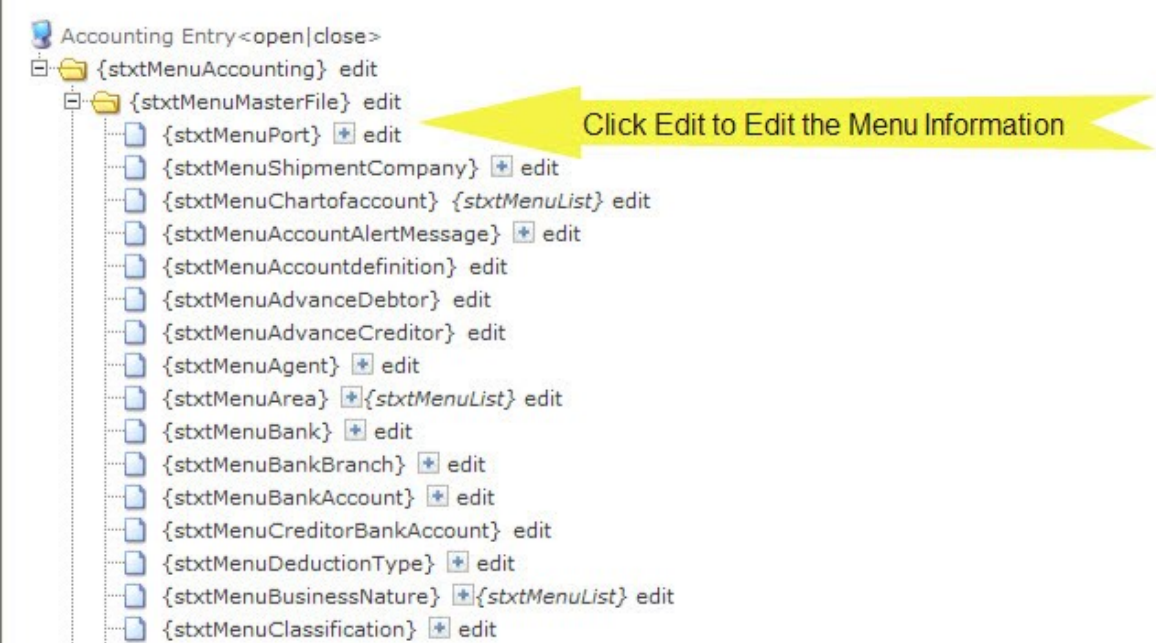
3. Click on the edit to edit the page

Figure 4.3: Support Login Page -> Edit Menumst
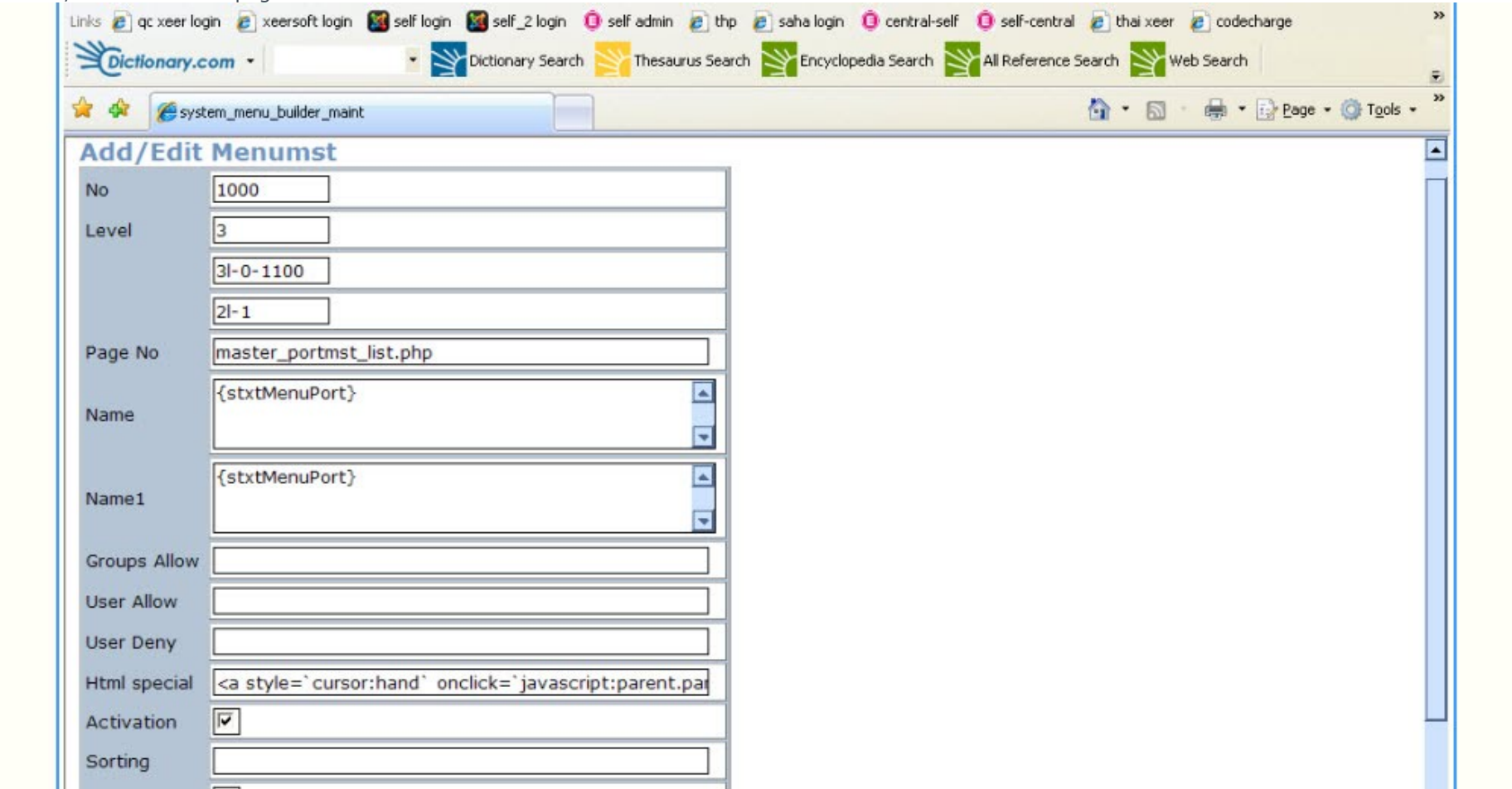
3. Add/ edit to edit the page

Figure 4.4: Support Login Page -> Add/ Edit Menumst

5. Development
5.1 Tables Involved:

Table Name: Menumst

Structure:
desc menumst;

Field	Type		Null	Key	Default
menu_no	int(10) unsigned	16 b...	NO	PRI	0
menu_level	int(10) unsigned	16 b...	NO		1
menu_refno1	varchar(100)	12 b...	NO	PRI	(NULL)
menu_refno2	varchar(100)	12 b...	NO	PRI	(NULL)
menu_page_no	varchar(250)	12 b...	YES		[NULL]
menu_name	text	4 b...	NO		(NULL)
menu_name1	text	4 b...	NO		(NULL)
menu_htmlspecial	text	4 b...	YES		(NULL)
menu_sorting	varchar(120)	12 b...	NO		00000
menu_activation	text	4 b...	NO		(NULL)
menu_groups_allow	varchar(255)	12 b...	NO		1
menu_users_allow	text	4 b...	YES		(NULL)
menu_users_deny	text	4 b...	YES		(NULL)
activation_flag	char(1)	7 b...	NO		1
activation_default	int(1)	6 b...	YES		0
menu_icon_open	varchar(100)	12 b...	YES		(NULL)
menu_icon_close	varchar(100)	12 b...	YES		(NULL)
menu_jumpcode	varchar(100)	12 b...	YES		(NULL)
menu_sys_last_mod_date	timestamp	9 b...	NO		CURRENT_TIMESTAMP
menu_sys_last_mod_user	int(10) unsigned	16 b...	NO		0

Description/format:
Select * from menumst;

Field	Description	Format/Example	Reference
menu_no	The menu module number	1750	SQL: select * from menumst where menu_level=1

			those below 1000 are old menu
menu_level	Hierarchy of the menu, level 1 highest	3	
menu_refno1	The unique number of this menu	3|-1750-100-100	- usually, it's of format - X|-menu_no-AA-BB-CC • X = level, then | • menu_no, use menu no to avoid duplicate hd_refno with other module • AA, BB, CC, are the unique numbers of each level, start with 100 and increase 10 each time • when have deeper level, have more AA/ BB/ CC • so, 2 levels, have AA, BB • 3 levels, have AA, BB, CC eg: when menu_no is 1750 for hotel module 1. level 1 : 1|-1750 2. level 2 (Master File) : 2|-1750-100 level 2 (Transaction Entry) : 2|-1750-110 level 2 (Report and Analysis) : 2|-1750-120 3. level 3 (Master File>Hotel) : 3|-1750-100-100 level 3 (Report and Analysis>top sales report) : 3|-1750-120-100
menu_refno2	The parent of this menu	2|-1750-100	eg: when menu_refno1 is 1750 for hotel module 1. level 1 : 1|-1750 2. level 2 (Master File) : 2|-1750-100 3. level 3 (Master File>Hotel) : 3|-1750-100-100 The menu_refro2 should be 1. Parent of level 1 : root 2. Parent of level 2 (Master File) : 1|-1750 3. Parent of level 3 (Master File>Hotel) : 2|-1750-100
menu_page_no	- if have a page php, then there will be a link to that page - if don't have a page, it will be a 'folder' so user can expand upon	system_globals_list.php	
menu_name	The shorttext of the name for this menu, same as menu_name1	{stxtMenuResetDocno}	
menu_htmlspecial	If there is additional pictures, or link from this page, can put here	`<a style=`cursor:hand` onclick=`javascript:parent.parent.changeframe(this.name1,this.name2)` name1=`member_trn_redeem_add.php` name2=`{stxtMenuPointsRedemption}` ><img alt=`{stxtMenuAddRecord}` width=`12` height=`12` src=`image/add5.jpg`></a>`	name1: Filename name2: Same as menu_name alt: alt text
menu_sorting	Sorting of the menu while	3|-1180-100-100	<u>Rule #24 Menu Master Sorting same as Menu Refno1</u>

	display			
menu_groups_allow, menu_users_allow, menu_users_deny	Authorization for who allow to use this	0,1,2,3,4,5,6,7,8,9,10		
activation_flag	Active/inactive the menu	1 or 0	1 if want to show 0 to hide	

5.2 Program Files Involved:

XeerSoft System:
menu_dynamic.php - This file generates the menu from menumst (and other things)
setup_password_authorization_maint.php - The file to Allow/Deny user to access menu with password
setup_access_authorization_maint.php - The file to Allow/Deny user to access menu
Support Login:
system_menu_builder.php - This file is the page to display all the menu
system_menu_builder_maint.php - This file is the page to Add/Edit the menu

5.3 How to use/add : Database/SQL
- Steps:
1. check for existing:
   SQL:

```
SELECT * FROM menumst WHERE menu_no='1750' AND menu_refno1='2|-1750-100' AND menu_refno2='1|-1750';
```

2. Insert/delete SQL
   SQL:

   ###delete menu link

```
  DELETE FROM menumst WHERE menu_no='1750' AND menu_refno1='2|-1750-100' AND menu_refno2='1|-1750';
```

   ###create menu link

```
INSERT INTO `menumst` (`menu_no`, `menu_level`, `menu_refno1`, `menu_refno2`, `menu_page_no`, `menu_name`, `menu_name1`, `menu_htmlspecial`,
`menu_sorting`, `menu_activation`, `menu_groups_allow`, `menu_users_allow`, `menu_users_deny`, `activation_flag`, `activation_default`,
`menu_icon_open`, `menu_icon_close`, `menu_jumpcode`, `menu_sys_last_mod_date`, `menu_sys_last_mod_user`, `menu_sys_delete_flag`, `menu_mobile_active`,
`menu_mobile_quickkey`, `menu_search_dtpage`, `menu_search_keywords`, `menu_search_parameters`, `menu_search_sort`, `menu_ctrl_user`,
`menu_ctrl_dealer`, `menu_css_class`) VALUES('1750','2','2|-1750-100','1|-1750',NULL,'{stxtMenuMasterFile}','{stxtMenuMasterFile}',NULL,'2|-1750-
100','','0,1,2,3,4,5,6,7,8,9,10',NULL,NULL,'1','0',NULL,NULL,NULL,NOW(),'0','0','1',NULL,NULL,NULL,NULL,NULL,'0','0',NULL);
```

3. SQL Script
   Location: SQL\Script Update

Access Authorization

Acccess Authorization is used to allow user access to the module/file only by those who have been given special permission. Because in company, have many level of user but not all of the user can access to the important data.

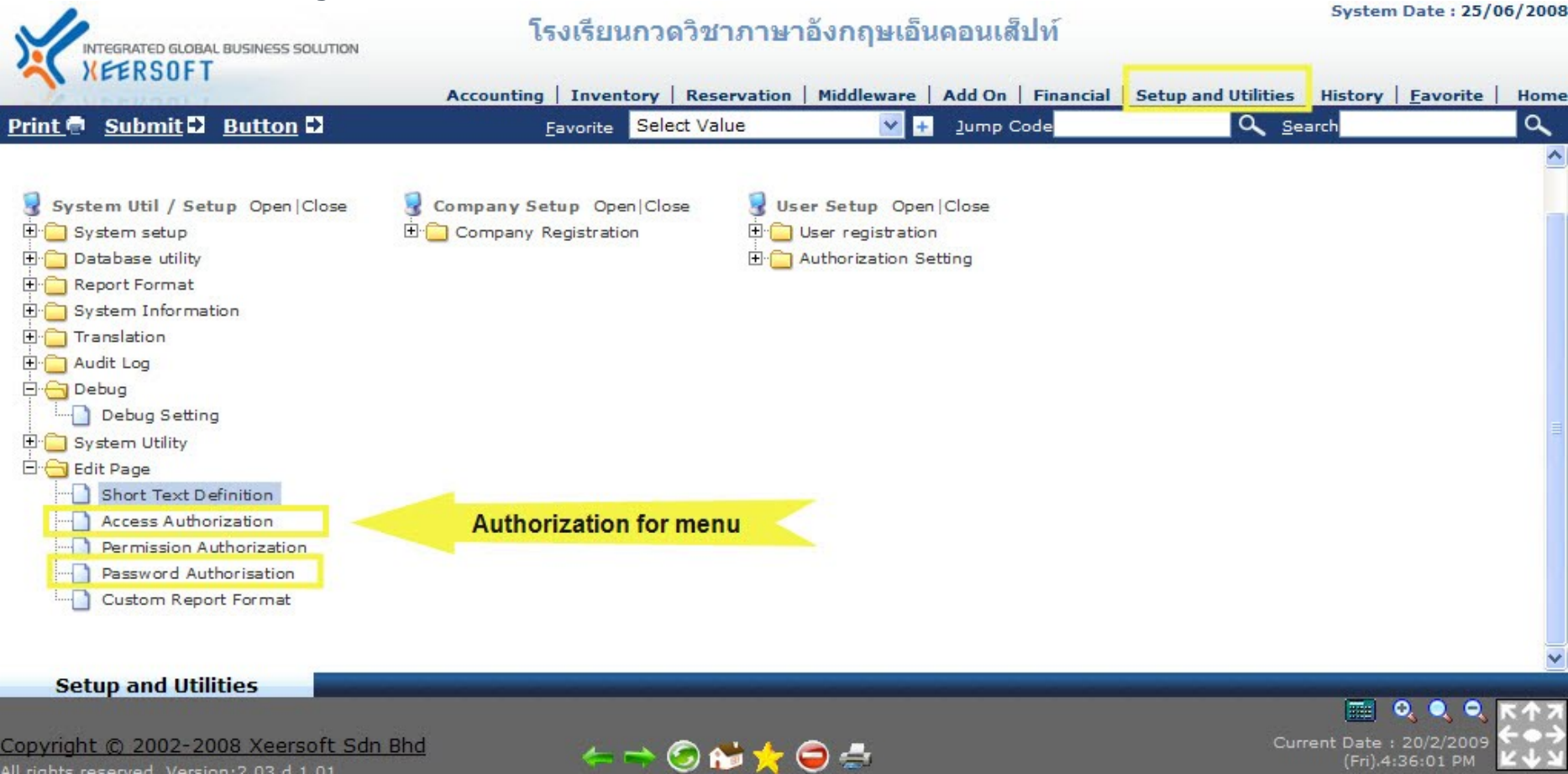## 6.4 How to use/add : In Programs

Figure 5.1: Authorization setting for Menu: Setup and Utility -> Edit Page -> Access Authorization
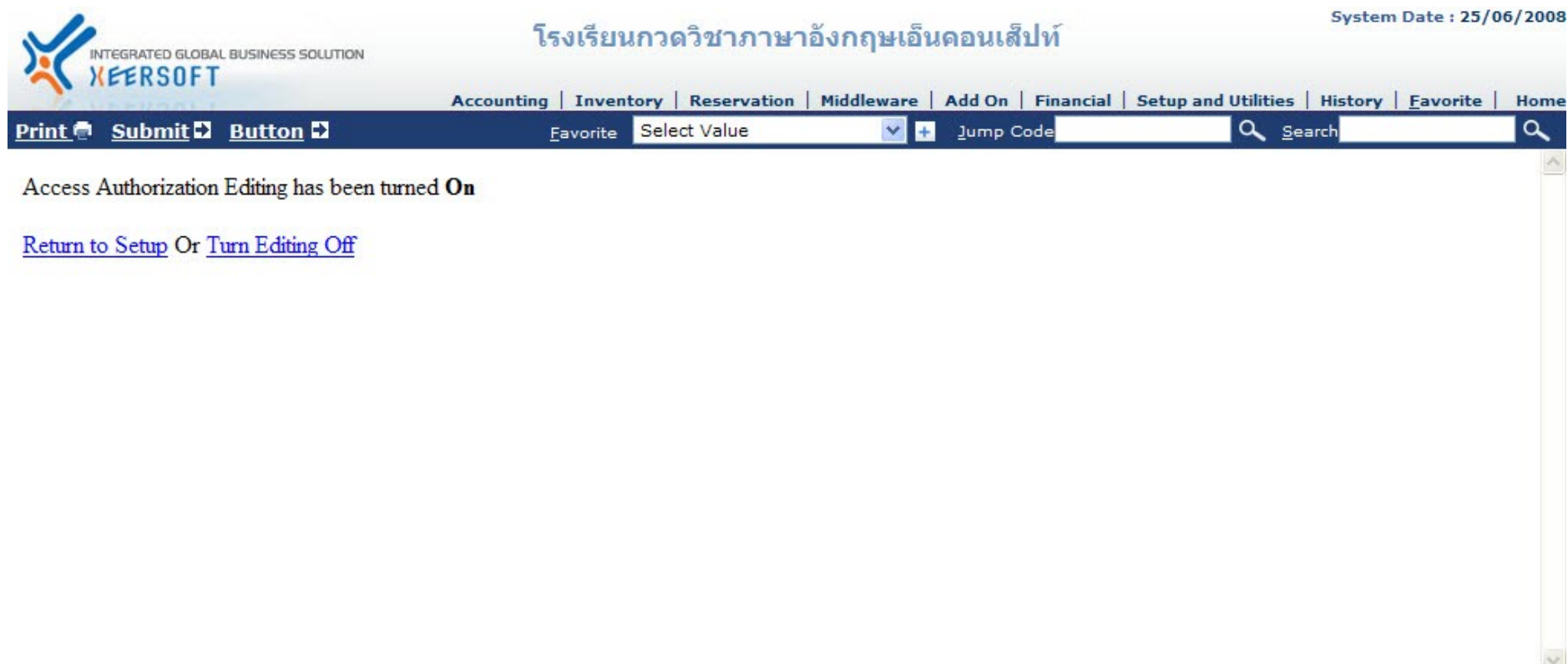
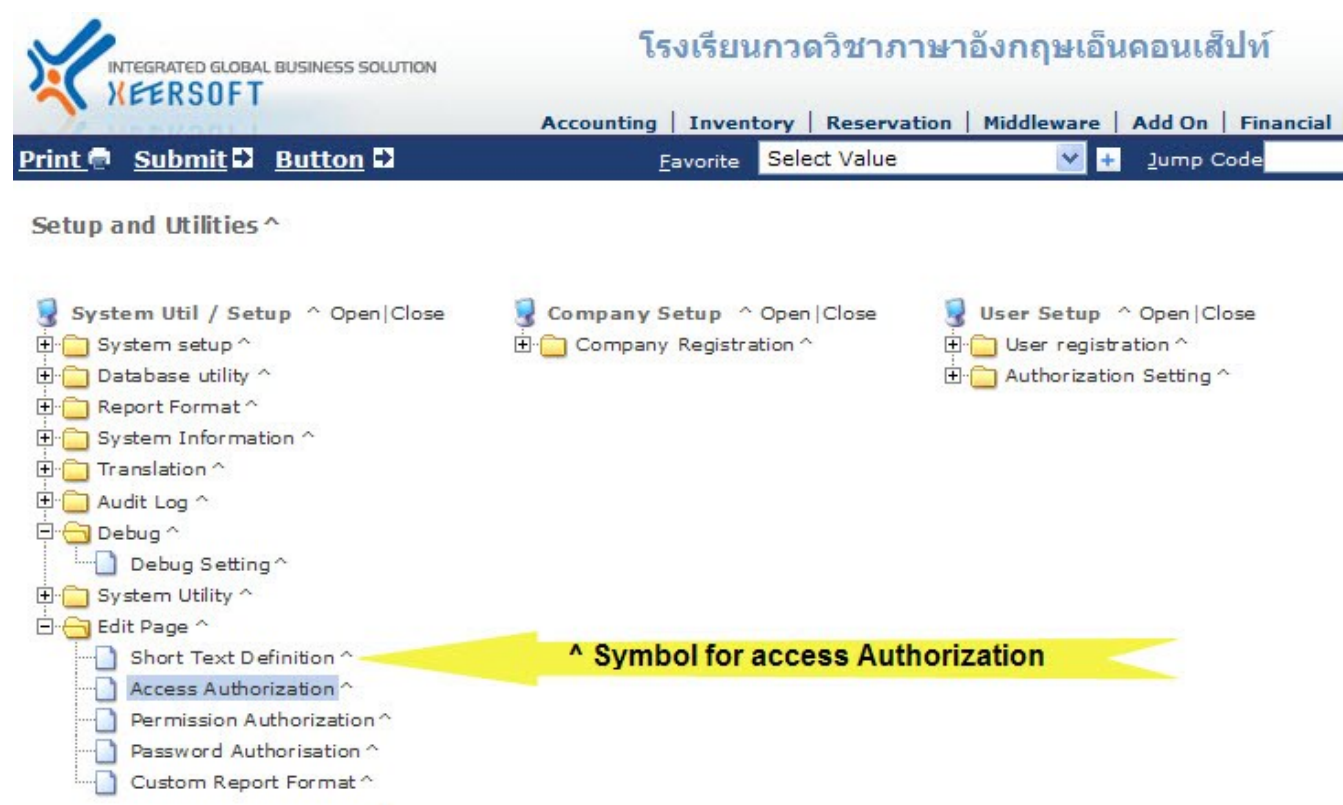*Figure 5.2: Authorization setting for Menu: Turn Editing On/Off -> Turn Editing On*

Figure 5.3: Authorization setting for Menu: ^ Symbol for access authorization. Click on the symbol to set the access authorization.
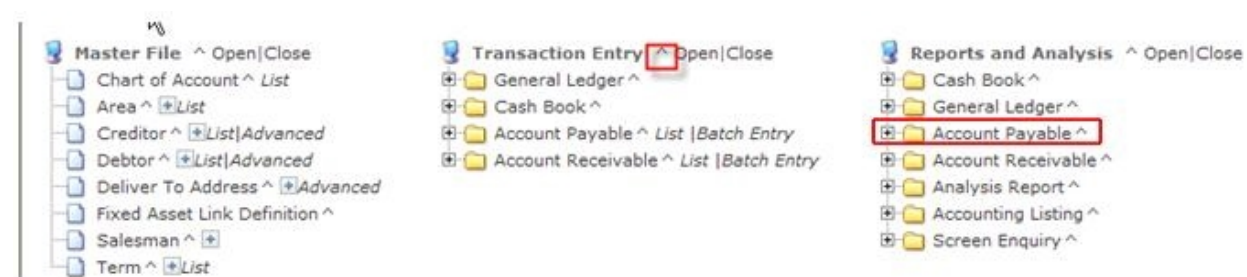

Figure 5.4: Authorization setting for Menu: ^ Symbol for access authorization. For example: i choose account payable.

User Authorization For Account Payable Menu

Group Allow

11 : Sales Exec	>	1 : Administrator
12 : Account Clerk	>>	2 : Account Manage
13 : Stock Clerk	<	3 : Stock Manager
14 : Purchase Clerk	<<	4 : Purchase Manac
15 : Logistic Clerk		5 : Logistic Manage

User Allow

1 : support1	>	
2 : support5	>>	
4 : support2	<	
5 : ida	<<	
6 : support3		

User Deny

1 : support1	>	2 : support5
15 : kan	>>	
16 : chris	<	
17 : jus	<<	
18 : fadzlin		

Submit

Figure 5.5: Authorization setting for Menu: After i choose the account payable, it will display user authorization menu for user to set their authorization. For example : Deny Support5.

Before

Transaction Entry ^ Open|Close
- General Ledger ^
- Cash Book ^
- Account Payable ^ List |Batch Entry
- Account Receivable ^ List |Batch Entry

After

Transaction Entry ^ Open|Close
- General Ledger ^
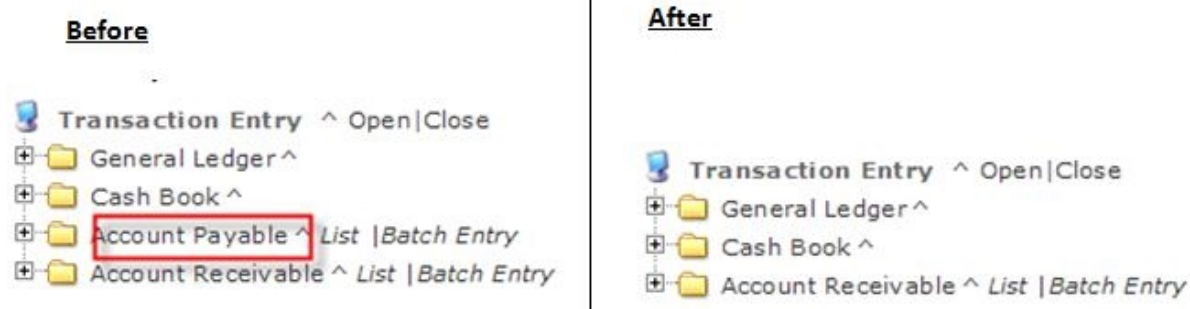- Cash Book ^
- Account Receivable ^ List |Batch Entry

Figure 5.6: Authorization setting for Menu: After u click submit button, when u return to the page, the user of support5 can't see the account payable already.

DISPLAY BACK THE MENU ACCESS THAT ALREADY HIDE.

Figure 5.7: Authorization setting for Menu: Go to Setup and Utilities -> User Setup -> Authorization Setting -> Access Authorization.

Search Menu

Type the menu name you want to display

Name | Account Payable

Search

List of Menu

Menu	Menu Name
Transaction Entry	Account Payable
Reports and Analysis	Account Payable
Opening Balance	Account Payable
Reports	Account Payable

Click on the menu name that you want to display.
For example :
Reports and Analysis
- Account Payable

Figure 5.8: Authorization setting for Menu: Type the menu name at search area, then it will show the result at list of menu. Click the field that you want to display back.

User Authorization For Account Payable Menu

Group Allow

11 : Sales Exec	1 : Administrator
12 : Account Clerk	2 : Account Manage
13 : Stock Clerk	3 : Stock Manager
14 : Purchase Clerk	4 : Purchase Manag
15 : Logistic Clerk	5 : Logistic Manage

User Allow

1 : support1
2 : support5
4 : support2
5 : ida
6 : support3

User Deny

18 : fadzlin
19 : winson
2 : support5
20 : jackson
21 : shariza

Submit

Figure 5.9: Authorization setting for Menu: Allow support5 to use the Account Payable Menu.

XeerSoft Sdn. Bhd.demo

INTEGRATED GLOBAL BUSINESS SOLUTION
XEERSOFT

Accounting | Inventory | Reservation | Transportation | Commission | POS system | CRM System
Attendance | PDA | Payroll | E-Leave | Human Resource | XeerSoft Travel | Manufact

Print | **Submit** | **Button**   Favorite Select Value

Accounting

Master File Open|Close
- Chart of Account *List*
- Account Alert Message +
- Bank +
- Bank Branch +
- Bank Account +
- Creditor Bank Account
- Deduction Type +
- Agent +
- Area +*List*
- Business Nature +*List*
- Classification +
- Collection +
- Country +
- Creditor +*List|Advanced*
- Currency +
- Dealer +
- Debtor +*List|Advanced*
- Debtor +*List|Ranking Listing*
- Advance Debtor
- Advance Creditor
- Deliver To Address +*Advanced*

Transaction Entry Open|Close
- General Ledger
- Cash Book
- Account Payable *List |Batch Entry*
- Account Receivable *List |Batch Entry*
- Tax

Reports and Analysis Open|Close
- Cash Book
- General Ledger
- Account Payable
- Account Receivable
- Analysis Report
- Accounting Listing
- Tax Report
- Screen Enquiry

Accounting

Figure 6.0: Authorization setting for Menu: Support5 can view and use Account Payable Menu already.

Description:
1. Access Authorization: Allow/ Deny user from accessing the menu.
2. Password Authorisation: To allow or deny user/group access. Some pages may let some users to see the menu but while they access the menu will ask for password.
3. Click on the link, Turn the engine On(Refer to Figure 5.2).
4. Click on the Symbols of ^ to access the Access or Password Authorization Page(Refer to Figure 5.3 and 5.4)
5. Select the user or user group that you want to allow or deny to use the related page(Refer to Figure 5.5).

5.5 Development Concerns
1. When you update the menu, please ensure the menu is the one you want to update
2. Please check from nll000 and nll_demo from QC server to ensure that the new menu you want create is not existing.
3. Make sure you submit your menumst code along with the shorttext for the menu if your shorttext is new
4. Ensure the activation_flag is 0 for new menu.

Notes;
1. If menu isnt showing, should check the activation_flag whether it is activated or not and the menu_groups_allow, menu_users_allow, menu_users_deny is set properly
2. In support login, the add button can be ignored since it is not used at the current moment
3. The menu_no should be in range from 1000 to 2000
4. For menu_refno1 and menu_refno2, the variable that is used is '|' (delimiter) and not an 'L' or '1'. Therefore the safest way is too copy and paste the values to avoid the mistake of entering it wrong