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Library Hours Plugin

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July 23, 2015

Goals

Develop a Wordpress plugin that enables users to quickly and easily create academic calendars for multiple branch libraries.

Design a weekly view, upcoming view, and holiday/exceptions view.

Integrate into a responsive wordpress website.

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Legacy System

A separate home-grown PHP program that forced calendar creators to go through a laborious process to create a new calendar for each distinct period of time whether it be a holiday, shortened hours, or new semester.

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Weekly Calendar

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This Week's Hours	Exceptions	Upcoming
Monday	07/13/2015	07:30 am - 09:00 pm
Tuesday	07/14/2015	07:30 am - 09:00 pm
Wednesday	07/15/2015	Closed*
Thursday	07/16/2015	07:30 am - 09:00 pm
Friday	07/17/2015	07:30 am - 06:00 pm
Saturday	07/18/2015	09:00 am - 06:00 pm
Sunday	07/19/2015	12:00 pm - 06:00 pm

Holidays/Exceptions

This Week's Hours

Exceptions

Upcoming

Exceptions to the Richter Library Building Hours

Day

Library Hours

holiday 3279

Jul 3 (Fri) Closed

holiday 3280

Jul 15 (Wed) Closed

holiday 3281

Jul 28 (Tue) Closed

holiday 3277

Aug 5 (Wed) Closed

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Upcoming Calendar

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This Week's Hours	Exceptions	Upcoming							
July 2015							today	prev	next
Sun	Mon	Tue	Wed	Thu	Fri	Sat			
28 12:00 pm - 6:00 pm	29 7:30 am - 9:00 pm	30 7:30 am - 9:00 pm	1 7:30 am - 9:00 pm	2 7:30 am - 9:00 pm	3 Closed	4 9:00 am - 6:00 pm			
5 12:00 pm - 6:00 pm	6 7:30 am - 9:00 pm	7 7:30 am - 9:00 pm	8 7:30 am - 9:00 pm	9 7:30 am - 9:00 pm	10 7:30 am - 6:00 pm	11 9:00 am - 6:00 pm			
12 12:00 pm - 6:00 pm	13 7:30 am - 9:00 pm	14 7:30 am - 9:00 pm	15 Closed	16 7:30 am - 9:00 pm	17 7:30 am - 6:00 pm	18 9:00 am - 6:00 pm			
19 12:00 pm - 6:00 pm	20 7:30 am - 9:00 pm	21 7:30 am - 9:00 pm	22 7:30 am - 9:00 pm	23 7:30 am - 9:00 pm	24 7:30 am - 6:00 pm	25 9:00 am - 6:00 pm			
26 12:00 pm - 6:00 pm	27 7:30 am - 9:00 pm	28 Closed	29 7:30 am - 9:00 pm	30 7:30 am - 9:00 pm	31 7:30 am - 6:00 pm	1 9:00 am - 6:00 pm			

Set Parameters

Calendar Active ▲

Calendar Active *

No Yes

Calendar Period ▲

Calendar Period

Academic Year 2015

Calendar Period Start

06/01/2015

Calendar Period End

05/31/2016

Schedule Types ▲

Schedule Type

Branch ▼

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Calendar Sessions

Calendar Sessions

Add New Calendar Session

Save All Calendar Sessions

<u>Post Title</u>	<u>Session Start Date</u>	<u>Session End Date</u>	Action
Intersession 2	December 17  Clear Date	January 17, 2016  Clear Date	Save Edit Delete
Spring 2016	January 18, 2016  Clear Date	May 13, 2016  Clear Date	Save Edit Delete
Fall 2015	August 24, 2015  Clear Date	December 16  Clear Date	Save Edit Delete
Summer 2015	May 18, 2015  Clear Date	August 7, 2015  Clear Date	Save Edit Delete

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Set Daily Hours

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Monday Start Time	Monday End Time
7:30 am	9:00 pm
Monday Start Time	Tuesday End Time
Time 7:30 am	9:00 pm
Hour 7 am	Wednesday End Time
Minute 30	9:00 pm
Now Done	Thursday End Time
Thursday Start Time	Thursday End Time
7:30 am	9:00 pm
Friday Start Time	Friday End Time
7:30 am	6:00 pm
Saturday Start Time	Saturday End Time
9:00 am	6:00 pm
Sunday Start Time	Sunday End Time
12:00 pm	6:00 pm

Set Holidays/Exceptions

Holidays

Add New Holiday

Save All Holidays

Post Title	Holiday Start Date	Holiday End Date	Holiday Closed	Action
holiday 3281	July 28, 2015  Hour 07 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	July 28, 2015  Hour 23 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	Closed <input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
holiday 3280	July 15, 2015  Hour 07 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	July 15, 2015  Hour 23 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	Closed <input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
holiday 3279	July 3, 2015  Hour 07 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	July 3, 2015  Hour 23 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	Closed <input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>
holiday 3277	August 5, 201  Hour 07 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	August 5, 201  Hour 23 <input type="text"/> Minute <input type="text"/> <input type="text"/> 00 <input type="button" value="Clear Date"/>	Closed <input type="text"/>	<input type="button" value="Save"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>

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Lessons Learned

The first iteration was designed to create calendars by semester.

Issue brought to light: Because we are a research university it is important for visiting researchers to be able to easily see the library schedule semesters in advance.

Solution: Enable calendars to cover an arbitrary period of time according to known timetables. This is enables the upcoming calendar to be viewed as far out as possible.

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</ThankYou>

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