<?php

//index is the "controller"

//get tasklist array from POST; goes to form and gets info from POST array

$task\_list = filter\_input(INPUT\_POST, 'tasklist', //filter\_input = get data from user and filter it; data validation.

FILTER\_DEFAULT, FILTER\_REQUIRE\_ARRAY);

if ($task\_list === NULL) { // if filter\_input doesn't work (===NULL)

$task\_list = array(); // creates brand new array

// add some hard-coded starting values to make testing easier

$task\_list[] = 'Write chapter';

$task\_list[] = 'Edit chapter';

$task\_list[] = 'Proofread chapter';

}

//get action variable from POST; figure out what button was pushed.

$action = filter\_input(INPUT\_POST, 'action');

//initialize error messages array

$errors = array();

//process

switch( $action ) {

case 'Add Task':

$new\_task = filter\_input(INPUT\_POST, 'newtask'); // going to POST array looking for 'newtask' and putting what it says in variable.

if (empty($new\_task)) {

$errors[] = 'The new task cannot be empty.';

} else {

$task\_list[] = $new\_task;

/\* Modify the code for adding a task so it uses the array\_push

function to add a new task to the end of the task\_list array. \*/

array\_push($task\_list, $new\_task);

}

break;

case 'Delete Task':

$task\_index = filter\_input(INPUT\_POST, 'taskid', FILTER\_VALIDATE\_INT); //taskid = index

if ($task\_index === NULL || $task\_index === FALSE) {

$errors[] = 'The task cannot be deleted.';

} else {

unset($task\_list[$task\_index]); //takes php element and converts it to blank/null; null's the value in the index.

$task\_list = array\_values($task\_list); //array\_values compiles array if there are holes.

}

break;

//Add code that lets the user sort all tasks alphabetically.

case 'Sort Tasks':

sort($task\_list);

break;

/\* Add code that allows the user to promote a task. This code should

move the selected task up one index in the array of tasks. If the

user selects the first task, this code should display an error that

indicates that you can't promote the first task. \*/

case 'Promote Task':

$taskid = filter\_input(INPUT\_POST, 'taskid', FILTER\_VALIDATE\_INT);

if ($taskid == 0)

$errors[] = 'Can not promote first task.';

else {

$temp = $task\_list[$taskid];

$task\_list[$taskid] = $task\_list[$taskid -1];

$task\_list[$taskid -1] = $temp;

}

break;

/\* Add code that lets the user modify an existing task. If the user clicks

on the Modify Task button, this code should hide the form that contains the

Modify Task button, and it should display the form that's included in the

task\_list.php file. This form displays the current task in a text box and

includes buttons that lets users save or cancel their changes. \*/

case 'Modify Task':

// get the task index from the taskid element on the form

$task\_index = filter\_input(INPUT\_POST, 'taskid', FILTER\_VALIDATE\_INT);

// set the variable task\_to\_modify from the array element at task\_index

$task\_to\_modify = $task\_list[$task\_index];

break;

case 'Cancel Changes':

// empty task\_to\_modify

$task\_to\_modify = "";

break;

case 'Save Changes':

// put modifiedtask input into a varable

$task\_index = filter\_input(INPUT\_POST, 'modifiedtaskid', FILTER\_VALIDATE\_INT);

// put modifiedtaskid input into a variable

$modified\_task = filter\_input(INPUT\_POST, 'modifiedtask');

// update the task\_list at the appropriate index with the modifiedtask

$task\_list[$task\_index] = $modified\_task;

break;

}

include('task\_list.php');

?>