Dynamic Dependent Multiple relational Dropbox using jQuery, Ajax,PHP and MySQL

In this tutorial we are going to explain the dynamic dependent multiple select boxes using **jQuery**, **Ajax**, **PHP** and **MySQL**.

The dynamic dependent select box is mostly used for two dynamic dropdowns but in this tutorial, we’ll implement four relational dynamic dropdown using jQuery, Ajax, PHP and MySQL.

At first, the list of a father would be displayed the when you select any of them then their respective child name would have displayed then when you select any child then the grade of the child would be fetched from the MySQL database and appear in the states dropdown.

Database & Tables

Create a database, like dynamic\_dropdown  consists of four tables father, child, school and grade, Father  table has a relation with child table and child  table has a relation with school table then school table has relation with grade table.

## Connection.php File

This file helps to connect and select the database.

<?php

$db = new mysqli('localhost', 'root','' ,'dynamic\_dropdown');

if ($db->connect\_error) {

die("Connection failed: " . $db->connect\_error);

}

?>

## index.php File

This file contains a jQuery library, JavaScript, HTML and PHP code.

The following JavaScript code is used for getting the state and city data from ajax.php file using ajax. Also, it displays the returned HTML of the ajax.php file to the respective select box. Index.php page also include related javascript code in script tag.

<!DOCTYPE html>

<html xmlns="http://www.techjunkgigs.com ">

<head>

<style type="text/css">

.select-boxes{width: 280px;text-align: center;}

select {

font-family: Georgia;

font-weight: bold;

font-size: 14px;

height: 39px;

padding: 7px 8px;

width: 250px;

outline: none;

margin: 10px 0 10px 0;

}

select option{

font-family: Georgia;

font-size: 14px;

}

</style>

<script src="jquery.min.js"></script>

<script type="text/javascript">

$(document).ready(function(){

$('#school').on('change',function(){

var school\_id = $(this).val();

if(school\_id){

$.ajax({

type:'POST',

url:'ajax.php',

data:'school\_id='+school\_id,

success:function(html){

$('#grade').html(html);

}

});

}else{

$('#school').html('<option value="">Select father first</option>');

$('#grade').html('<option value="">Select child first</option>');

}

});

$('#father').on('change',function(){

var father\_id = $(this).val();

if(father\_id){

$.ajax({

type:'POST',

url:'ajax.php',

data:'father\_id='+father\_id,

success:function(html){

$('#child').html(html);

$('#school').html('<option value="">Select child first</option>');

}

});

}else{

$('#child').html('<option value="">Select father first</option>');

$('#school').html('<option value="">Select child first</option>');

}

});

$('#child').on('change',function(){

var child\_id = $(this).val();

if(child\_id){

$.ajax({

type:'POST',

url:'ajax.php',

data:'child\_id='+child\_id,

success:function(html){

$('#school').html(html);

}

});

}else{

$('#school').html('<option value="">Select child first</option>');

}

});

});

</script>

</head>

<h2>Dynamic Dropbox using jQuery, Ajax,PHP and MySQL</h2>

<body align="centre">

<div class="select-boxes">

<?php

//Include database configuration file

include('conn.php');

//Get all country data

$query = $db->query("SELECT \* FROM father ORDER BY father ASC");

//Count total number of rows

$rowCount = $query->num\_rows;

?>

<select name="father" id="father">

<option value="">Select father</option>

<?php

if($rowCount > 0){

while($row = $query->fetch\_assoc()){

echo '<option value="'.$row['father\_id'].'">'.$row['father'].'</option>';

}

}else{

echo '<option value="">father not available</option>';

}

?>

</select>

<select name="child" id="child">

<option value="">Select father first</option>

</select>

<select name="school" id="school">

<option value="">Select child first</option>

</select>

<select name="grade" id="grade">

<option value="">Select School first</option>

</select>

</div>

</body>

</html>

Using PHP & HTML the initial Father select box is displayed along with the child, school and grade select box.

## ajax.php File

This file is requested by the Ajax and in this file **child, school name** or **grade** data is fetched from the database based on the requested **fathe id , child id**  or **school id**. Also, the respective select options HTML are returned to the Ajax success function.

<?php

//Include database configuration file

include('conn.php');

if(isset($\_POST["father\_id"]) && !empty($\_POST["father\_id"])){

//Get all state data

$query = $db->query("SELECT \* FROM child WHERE father\_id = ".$\_POST['father\_id']);

//Count total number of rows

$rowCount = $query->num\_rows;

//Display child list

if($rowCount > 0){

echo '<option value="">Select child</option>';

while($row = $query->fetch\_assoc()){

echo '<option value="'.$row['child\_id'].'">'.$row['child'].'</option>';

}

}else{

echo '<option value="">child not available</option>';

}

}

if(isset($\_POST["child\_id"]) && !empty($\_POST["child\_id"])){

$query = $db->query("SELECT \* FROM school WHERE child\_id = ".$\_POST['child\_id']);

$rowCount = $query->num\_rows;

if($rowCount > 0){

echo '<option value="">School</option>';

while($row = $query->fetch\_assoc()){

echo '<option value="'.$row['school\_id'].'">'.$row['school'].'</option>';

}

}else{

echo '<option value=""> not available</option>';

}

}

if(isset($\_POST["school\_id"]) && !empty($\_POST["school\_id"])){

$query = $db->query("SELECT \* FROM grade WHERE school\_id = ".$\_POST['school\_id']);

$rowCount = $query->num\_rows;

if($rowCount > 0){

echo '<option value="">Grade</option>';

while($row = $query->fetch\_assoc()){

echo '<option value="'.$row['grade\_id'].'">'.$row['grade'].'</option>';

}

}else{

echo '<option value=""> not available</option>';

}

}

?>