

CSCI 399

Assignment 3

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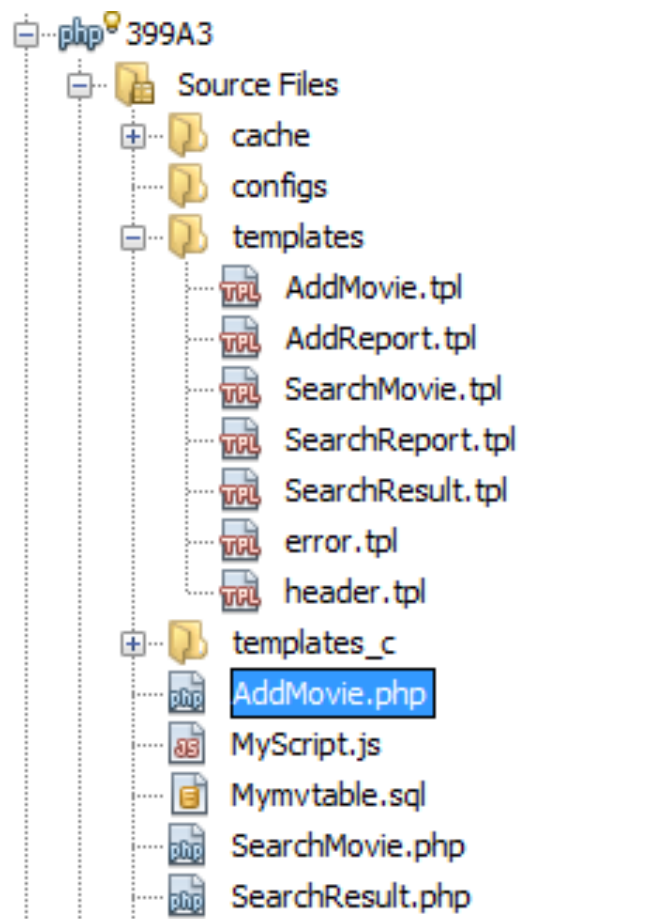
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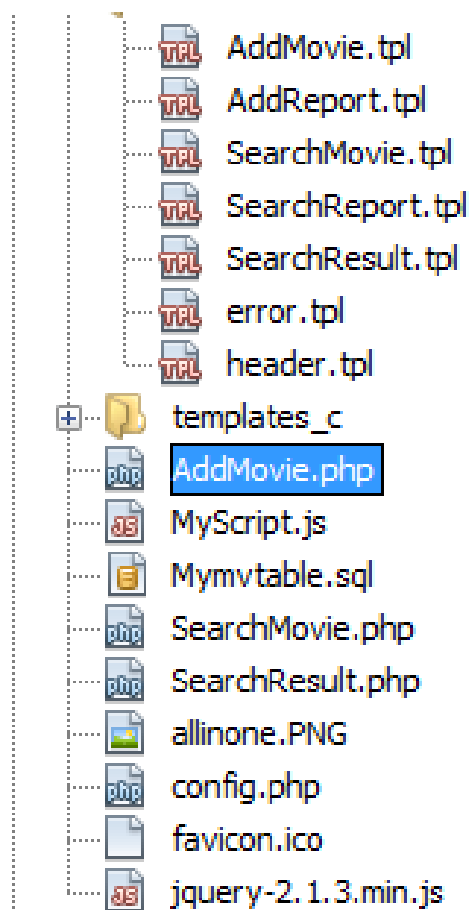
Part 1 Introduction

This Assignment give me some experience of using orm(Object Relational Mapping), and use smarty framework template style page to make better less jumble web application, and also some practice of digging HTML5 features like drag and drop file

Part 2 Overview

This is my netbeans project client side files screen shot






Part 3 Demonstration of working site

So lets start doing some add movies first

This is my add page, and u can see I add a favicon for my page just for fun, lol

movies I like

localhost/399A3/AddMovie.php



Main record

Movie name

Category

And then add just in it, make this page useful for something:

Main record

Movie name

captain america the winte

Category



FANTASY/SCI.FI ▼

Summary

this is about how
captain America adopt
new life and mission
in 21 century

Supplementary data

Add data

Picture	Command
	the big boss and the chick in read hair, a part of avenges
	old friend from second world war

U can see some html5 drop file box cool feature in this assignment

And press create record:

Summary

-Supplementary data-

Add data

Picture	Command
	the big boss and the chick in read hair, a part of avenges
	old friend from second world war

-Action-

Create Record



Movie records

created a record for captain america the winter (it is reacord#2) with 2 photo

[Create another](#)

Create success and u can create more just click create another link, u can go back to create page:

Main record

Movie name

Category FANTASY/SCI.FI ▼

Summary

Supplementary data

Action

In my date base “captain American” has been added

Sort by key: None ▼

+ Options

		id	movie	mgroup	info
<input type="checkbox"/>	Edit Copy Delete	1	transformers 4	FANTASY/SCI.FI	transformer and transform, I think I can see this ...
<input type="checkbox"/>	Edit Copy Delete	2	captain america the winter	FANTASY/SCI.FI	this is about how captain America adopt new life a...

☐ Check All
 With selected: Change Delete Export

Number of rows: 25 ▼

Query results operations

Print view
 Print view (with full texts)
 Export
 Display chart
 Create view

And also its supplement datas

		id	fk_movie	photo	photocomment
<input type="checkbox"/>	Edit Copy Delete	1		data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAAD...	wow
<input type="checkbox"/>	Edit Copy Delete	2		data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAAD...	wow and wow
<input type="checkbox"/>	Edit Copy Delete	3		data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAAD...	this is epic wow
<input type="checkbox"/>	Edit Copy Delete	4	2	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAAD...	the big boss and the chick in read hair, a part of...
<input type="checkbox"/>	Edit Copy Delete	5	2	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAAD...	old friend from second world war

☐ Check All
 With selected: Change Delete Export

Number of rows: 25 ▼

Lets add more movie,I just click create another:



Movie name

Category




Summary

journey end and new
journey begin, middle
earth, like a
dream, like moon in the
water, but it's so
close, but far more
than that

Supplementary data

Picture	Command
	<div>me I hobbit</div>
	

This one is long I add five pictures

	<div>wizard of grey</div>
	<div>elf human dwalf</div>
	<div>I want that bow</div>

-Action



Movie records

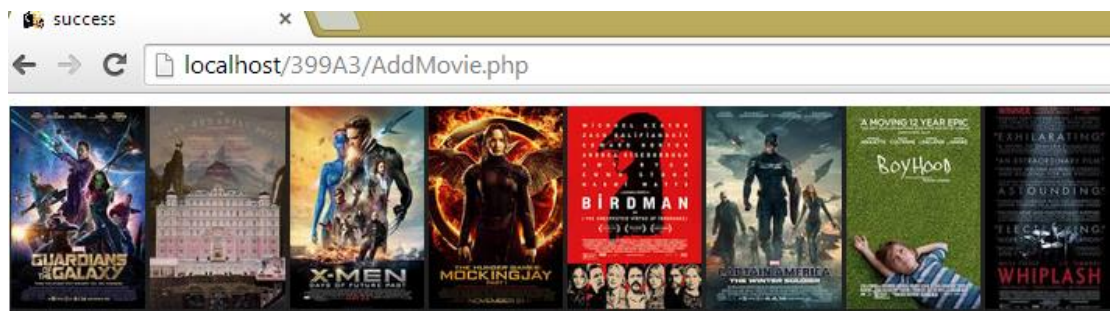
created a record for the hobbit the battle of the five armies (it is record#5) with 5 photo

[Create another](#)

Create succeed, a record with five picture, it should be exciting when searching for this.

Now there are a quite few datas in the the database, we search movies

This is my last create record succeed, there are #8 records:



Movie records

created a record for thor the dark world (it is record#8) with 1 photo

[Create another](#)

And in database should be 8 either:

<input type="checkbox"/>	Edit Copy Delete	1	transformers 4	FANTASY/SCI.FI	transformer and transform, I think I can see this ...
<input type="checkbox"/>	Edit Copy Delete	2	captain america the winter	FANTASY/SCI.FI	this is about how captain America adopt new life a...
<input type="checkbox"/>	Edit Copy Delete	3	guardians of the galaxy	FANTASY/SCI.FI	want justice in universe, need adventures which ev...
<input type="checkbox"/>	Edit Copy Delete	4	how to train your dragon 2	KIDS	you want a dragon, you train a dragon, always hold...
<input type="checkbox"/>	Edit Copy Delete	5	the hobbit the battle of the five armies	FANTASY/SCI.FI	journey end and new journey begin, middle earth, l...
<input type="checkbox"/>	Edit Copy Delete	6	interstellar	FANTASY/SCI.FI	save man kind, who save are, who really are they, ...
<input type="checkbox"/>	Edit Copy Delete	7	the imitation game	ACTION	the father of modern computer, his name is Aron T...
<input type="checkbox"/>	Edit Copy Delete	8	thor the dark world	ACTION	you are north European, you know thor

And This is supplementary datas

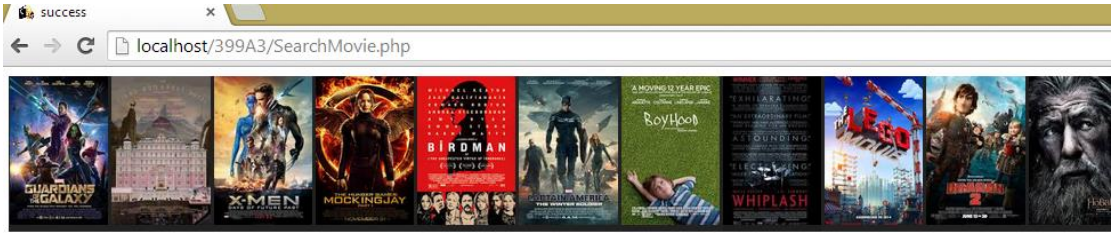
<input type="checkbox"/>	Edit Copy Delete	2	1	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	wow and wow
<input type="checkbox"/>	Edit Copy Delete	3	1	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	this is epic wow
<input type="checkbox"/>	Edit Copy Delete	4	2	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	the big boss and the chick in read hair, a part of...
<input type="checkbox"/>	Edit Copy Delete	5	2	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	old friend from second world war
<input type="checkbox"/>	Edit Copy Delete	6	3	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	hey this is us
<input type="checkbox"/>	Edit Copy Delete	7	3	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	yeah we fight
<input type="checkbox"/>	Edit Copy Delete	8	3	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	en heng are we cool
<input type="checkbox"/>	Edit Copy Delete	9	4	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	hey this is our viking family with dragon
<input type="checkbox"/>	Edit Copy Delete	10	4	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	friend with us
<input type="checkbox"/>	Edit Copy Delete	11	4	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	me and my dragon
<input type="checkbox"/>	Edit Copy Delete	12	5	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	me I hobbit
<input type="checkbox"/>	Edit Copy Delete	13	5	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	the big bad dragon and it's treasure
<input type="checkbox"/>	Edit Copy Delete	14	5	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	wizard of grey
<input type="checkbox"/>	Edit Copy Delete	15	5	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	elf human dwalf
<input type="checkbox"/>	Edit Copy Delete	16	5	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	I want that bow
<input type="checkbox"/>	Edit Copy Delete	17	6	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	we are on this rock, a rock for hope, and a rock o...
<input type="checkbox"/>	Edit Copy Delete	18	6	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	get close to black hole
<input type="checkbox"/>	Edit Copy Delete	19	7	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	he the only he, no he no computer in this world
<input type="checkbox"/>	Edit Copy Delete	20	7	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	I wish he now live in the better place like this
<input type="checkbox"/>	Edit Copy Delete	21	7	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	everything is just so exciting
<input type="checkbox"/>	Edit Copy Delete	22	8	data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAQABAAD...	I want that hammer

Now lets do searching for these movies:

This my seaching page:

[←](#) [→](#) [↺](#)

Click search record u will get:



Search movie library by category FANTASY/SCI.FI

Movie
transformers 4
captain america the winter
guardians of the galaxy
the hobbit the battle of the five armies
interstellar

Click one of these, get the details:



transformers 4

FANTASY/SCI.FI

INFO

ransformer and transform, I think I can see this in future not too long

Supplementary data



vow





wow



wow and wow



this is epic wow

Than search another one, this one has so less description

INFO

save man kind, who save are, who really are they, they are us, people leave and back, like a blink of eye, father and daughter bound and love travel though time and space without limited

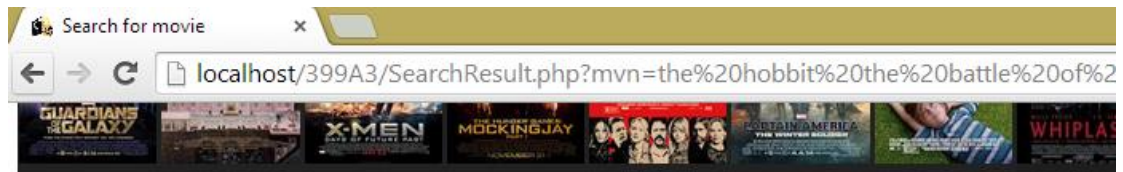
Supplementary data



we are on this rock, a rock for hope, and a rock of faithful



get close to black hole



the hobbit the battle of the five armies

FANTASY/SCI.FI

INFO

journey end and new journey begin, middle earth, like a dream, like moon in the water, but it's so close, but far more

Supplementary data





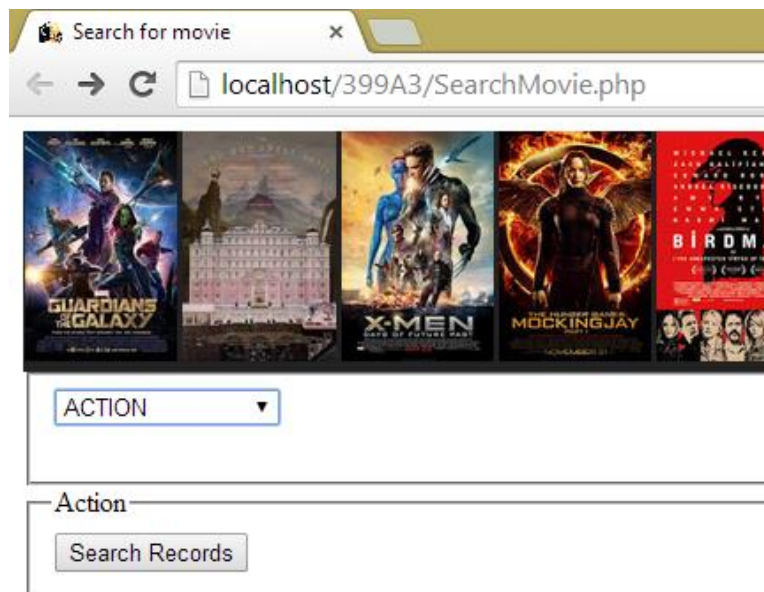
he big bad dragon and it's treasure



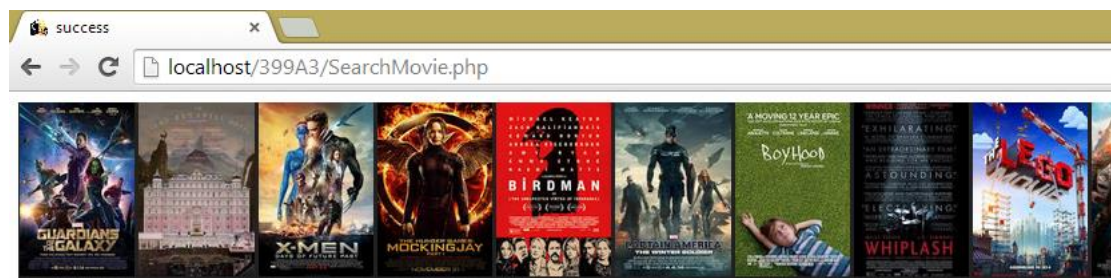
vizard of grey



Ok lets change a type of movie, how about action movie:



Just two movies, click one

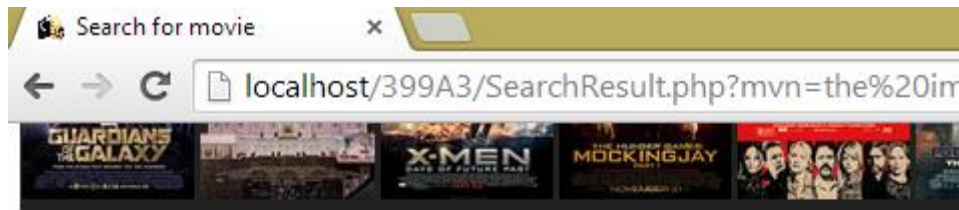


Search movie library by category ACTION

Movie
the imitation game
thor the dark world

This movie is about Alan Turing strongly recommend to watch!!

Sorry I just wrong spell of his name in his page:



the imitation game

ACTION

INFO

the father of modern computer, his name is Aron Turing

Supplementary data



he the only he, no he no computer in this world





he the only he, no he no computer in this world



wish he now live in the better place like this



everything is just so exciting

Part 4 Display and explanation of code

AddMovie.php

```
<?php

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

$method = $_SERVER['REQUEST_METHOD'];
if($method == 'POST')
{
    doPost();
}
else{
    doGet();
}

function doGet(){
    global $smarty;
    require_once("./config.php");
    smartysetup();
    $smarty->display('AddMovie.tpl');
}

function doPost(){
    global $smarty;
    global $db;
    require_once("./config.php");

    smartysetup();
    $db = connectToDatabase();

    if(isset($_POST['mvname'])&&isset($_POST['mvcategory'])&&isset($_POST['sum'])&&isset($_POST['pics'])&&isset($_POST['comms'])){
        $mvname = filter_input(INPUT_POST,'mvname', FILTER_SANITIZE_STRING);
        $cat = filter_input(INPUT_POST,'mvcategory', FILTER_SANITIZE_STRING);
        $sum = filter_input(INPUT_POST,'sum', FILTER_SANITIZE_STRING);
```

```

// $pics = filter_input_array(INPUT_POST, 'pics', FILTER_SANITIZE_STRING);
$pics = $_POST['pics'];
// $comms = filter_input_array(INPUT_POST, 'comms', FILTER_SANITIZE_STRING);
$comms = $_POST['comms'];

$moviem = new Moviemains();

$moviem->movie = $mvname;
$moviem->mgroup = $cat;
$moviem->info = $sum;

if($moviem->save() == false){
    die("Database record save failure");
}

$id = $moviem->id;
for($i = 0; $i < count($pics); $i++){
    $movies = new Moviesupps();
    $movies->fk_movie = $id;
    $movies->photo = $pics[$i];
    $movies->photocomment = $comms[$i];

    if($movies->save() == false){
        die("supplement datas record save failure");
    }
}

$smarty->assign("headt", "Movie records");
$smarty->assign('mname', $mvname);
$smarty->assign('mnum', $id);
$smarty->assign('picnum', count($pics));
$smarty->display('AddReport.tpl');
}
else{
    $errorMsg = "please input all the things first";
    $smarty->assign('error', $errorMsg);
    $smarty->display("error.tpl");
}
}

```

SearchMovie.php

```
<?php

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

$method = $_SERVER['REQUEST_METHOD'];
if($method == 'GET')
{
    doGet();

}
else if($method == 'POST')
{
    doPost();
}

function doGet(){
    global $smarty;
    global $db;
    require_once("./config.php");
    smartysetup();
    $smarty->display('SearchMovie.tpl');
}

function doPost(){
    global $smarty;
    global $db;
    require_once("./config.php");
    $db = connectToDatabase();
    smartysetup();
    $movies = array();
    $namelinks = array();
    if(isset($_POST['mcategory'])){
        $cat = filter_input(INPUT_POST,'mcategory', FILTER_SANITIZE_STRING);

        $mvm = new Moviemains();

        $query = "mgroup = ?";
        $movies = $mvm->Find($query,$cat);
    }
}
```

```

        foreach ($movies as $tm){
            $namelinks[] = $tm->movie;
        }

        $smarty->assign('mvks',$namelinks);
        $smarty->assign('cat',$cat);
        $smarty->display('SearchReport.tpl');
    }
}

```

SearchResult.php

```

<?php

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

$method = $_SERVER['REQUEST_METHOD'];
if($method == 'GET')
{
    doGet();
}

function doGet(){
    global $smarty;
    global $db;
    require_once("./config.php");
    $db = connectToDatabase();
    smartysetup();

    $mvname = $_GET['mvn'];

    $query = 'movie = ?';
    $mvm = new Moviemains();

    $infos = $mvm->Find($query,$mvname);

    /**single movie*/

```

```

$mcomms = array();
$mpics = array();

$queryys = 'fk_movie = ?';
$mvs = new Moviesups();

$supinfos = array();
$supinfos = $mvs->Find($queryys,$infos[0]->id);

foreach ($supinfos as $supin){
    $mcomms[] = $supin->photocomment;
    $mpics[] = $supin->photo;
}

$numms = count($mpics) - 1;

$smarty->assign('num',$numms);
$smarty->assign('name',$mvname);
$smarty->assign('cat',$infos[0]->mgroup);
$smarty->assign('info',$infos[0]->info);
$smarty->assign('comms',$mcomms);
$smarty->assign('pics',$mpics);
$smarty->display('SearchResult.tpl');
}

```

Config.php

```

<?php

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

require_once("adodb/adodb.inc.php");
require_once('adodb/adodb-active-record.inc.php');
require_once("Smarty/lib/Smarty.class.php");

class Moviemains extends ADOdb_Active_record{
    var $_table = 'Moviemains';

```



```

}

class Moviesupps extends ADOdb_Active_record{
    var $_table = 'Moviesupps';
}

const DIR_SEP = DIRECTORY_SEPARATOR;
define('SITE_ROOT', dirname(__FILE__).DIR_SEP);

$smarty = new Smarty;
$db = null;

function smartysetup(){
    global $smarty;

    $smarty->template_dir = SITE_ROOT.'templates'.DIR_SEP;
    $smarty->compile_dir   = SITE_ROOT.'templates_c'.DIR_SEP;
    $smarty->config_dir    = SITE_ROOT.'configs'.DIR_SEP;
    $smarty->cache_dir      = SITE_ROOT.'cache'.DIR_SEP;
}

function connectToDatabase(){
    $dsn = 'mysql://root:sasakixi@localhost/movies';
    global $db;
    $db = ADONewConnection($dsn);

    if (!$db) {
        die("Failed to connect to database : " . $dsn);
    }

    ADOdb_Active_Record::SetDatabaseAdapter($db);
    ADOdb_Active_Record::ClassHasMany('Moviemains', 'Moviesupps', 'fk_movie');

    return $db;
}

```

AddMovie.tpl

```

<html>
<head>
    <meta charset="UTF-8">
    <title>movies I like</title>
    <style>

```

```

        .targets{
            width:400px;
            height:190px;
            background-color:#aaaaaa;
        }
    </style>
    <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
</head>
<body>
    {include file="header.tpl"}
    <form method="POST" action="AddMovie.php">
        <fieldset>
            <legend>Main record</legend>
            <label for="mvname">Movie name</label>
            <input type="text" id="mvname" name="mvname"><br><br>

            <label for="mvcategory">Category</label>
            <select id="mvcategory" name="mvcategory">
                <option value="FANTASY/SCI.FI">FANTASY/SCI.FI</option>
                <option value="CHICK">CHICK</option>
                <option value="DRAMA">DRAMA</option>
                <option value="CRIME">CRIME</option>
                <option value="KIDS">KIDS</option>
                <option value="COMEDY">COMEDY</option>
                <option value="ACTION">ACTION</option>
            </select><br><br>

            <label for="sum">Summary</label>
            <textarea name="sum" id="sum" rows="7" cols="20"></textarea>
        </fieldset>

        <fieldset>
            <legend>Supplementary data</legend>
            <input type="button" value="Add data" id="add"><br><br>
            <table border="3" id="Mymovie">
                <tr>
                    <th>Picture</th>
                    <th>Command</th>
                </tr>
            </table>
        </fieldset>

        <fieldset>
            <legend>Action</legend>

```

```

        <input type="submit" value="Create Record">
    </fieldset>
</form>
<script type="text/javascript" src="jquery-2.1.3.min.js"></script>
<script type="text/javascript" src="MyScript.js"></script>
</body>
</html>

```

AddReport.tpl

```

<html>
  <head>
    <meta charset="UTF-8">
    <title>success</title>
    <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
  </head>
  <body>
    {include file="header.tpl"}
    <h1>{$headt}</h1>
    <p>created a record for {$mname} (it is reacord#{$mnum}) with {$picnum} photo</p>
    <a href="AddMovie.php">Create another</a>
  </body>
</html>

```

SearchMovie.tpl

```

<html>
  <head>
    <meta charset="UTF-8">
    <title>Search for movie</title>
    <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
  </head>
  <body>
    {include file="header.tpl"}
    <form method="post" action="SearchMovie.php">
      <fieldset>
        <select name="mvcategory">
          <option value="FANTASY/SCI.FI">FANTASY/SCI.FI</option>
          <option value="CHICK">CHICK</option>
          <option value="DRAMA">DRAMA</option>
          <option value="CRIME">CRIME</option>
          <option value="KIDS">KIDS</option>
          <option value="COMEDY">COMEDY</option>
          <option value="ACTION">ACTION</option>

```

```

        </select><br><br>
    </fieldset>
    <fieldset>
        <legend>Action</legend>
        <input type="submit" value="Search Records">
    </fieldset>
</form>
</body>
</html>

```

SearchReport.tpl

```

<html>
    <head>
        <meta charset="UTF-8">
        <title>success</title>
        <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
    </head>
    <body>
        {include file="header.tpl"}
        <h1>Search movie library by category {$cat}</h1>
        <table border="3">
            <th>Movie</th>
            {foreach item = mvk from = $mvks}
            <tr>
                <td>
                    <a href='SearchResult.php?mvn={$mvk}'>{$mvk}</a>
                </td>
            </tr>
            {/foreach}
        </table>
    </body>
</html>

```

SearchResult.tpl

```

<html>
    <head>
        <meta charset="UTF-8">
        <title>Search for movie</title>
        <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
    </head>
    <body>
        {include file="header.tpl"}

```

```

    <h1>{$name}</h1>
    <h2>{$cat}</h2><br>
    <h3>INFO</h3>
    <p>{$info}</p><br>
    <h3>Supplementary data</h3><br>

    {for $i = 0 to $num}
        <img src='{$pics[$i]}'><br>
        <p>{$comms[$i]}</p>
        <hr>
    {/for}
</body>
</html>

```

Error.tpl

```

<html>
    <head>
        <meta charset="UTF-8">
        <title>error</title>
        <link rel="shortcut icon" href="favicon.ico" mce_href="favicon.ico" type="image/x-icon">
    </head>
    <body>
        {include file="header.tpl"}
        <h1>{$error}</h1>
        <a href="welcomeAdd.php">Create another</a>
    </body>
</html>

```

Header.tpl

```

<div id="header">
    
</div>

```

MyScript.js

```

$(document).ready(function(){
    var indexdiv = 0;

    $('#add').on("click",function(e){
        $('#Mymovie tr:last').after('<tr></tr>');
        $('#Mymovie tr:last').append('<td></td><td></td>');
    });

```

```

$('#Mymovie tr:last').children().each(function(i,n){
    if(i == 0)
    {
        $(n).append("<div></div>");
        $(n).children().addClass('targets');
        //$$(n).children().attr('name','pics[]');

        $(n).children().attr('id','target' + indexdiv);
        var newele = document.getElementById('target' + indexdiv);
        newele.addEventListener("dragover",FileDragover,false);
        newele.addEventListener("drop",FileDrop,false);

        indexdiv ++;
    }
    else if(i == 1){
        $(n).append("<textarea rows='7' cols='20'></textarea>");
        $(n).children().attr('name','comms[]');
    }
});
});

function handleFileSelect(afile,evt){
    var reader = new FileReader();
    var filetypes = /^(image\/jpeg|image\/png|image\/gif)$/;

    if(!filetypes.test(afile.type)){
        alert("please select file jpeg png or gif");
        return;
    }

    reader.onload = function(e){
        evt.target.innerHTML += "<img src = '' + e.target.result + '' style='float:left' width  

        = '100' />";
        evt.target.innerHTML += "<input visibility: hidden name = 'pics[]' value = '' +  

        e.target.result + '' />";
    }
    reader.readAsDataURL(afile);
}

function FileDragover(evt){
    evt.preventDefault();
}

```

```

function FileDrop(evt){
    evt.preventDefault();

    var files = evt.dataTransfer.files;
    var num = files.length;
    var i = 0;
    for(i = 0; i < num; i++){
        var afile = files[i];
        handleFileSelect(afile, evt);
    }
}

```

Mymvtable.sql

```

drop table Moviesups;
drop table Moviemains;
commit;

```

```

create table Moviemains (
id int auto_increment primary key,
movie varchar(45),
mgrou enum ('FANTASY/SCI.FI', 'CHICK', 'DRAMA', 'CRIME', 'KIDS', 'COMEDY', 'ACTION'),
info text
);

```

```

create table Moviesups (
id int auto_increment primary key,
fk_movie int,
photo mediumtext,
photocomment text,
constraint foreign key(fk_movie) references Moviemains(id)
);

```