

header.php

```
<?php if(!isset($layout_context))  
{  
    $layout_context="public";  
}  
?>  
  
<html> <head> <title> Primia Technologies  
  
<?php if($layout_context=="admin"){echo " Admin";} ?>  
  
</title>  
  
<link href="stylesheets/public.css" media="all" rel="stylesheet" type="text/css" />  
  
</head> <body>  
  
<div id="header"> <h1> Primia Technologies<?php if($layout_context=="admin"){echo " Admin";} ?>  
</h1> </div>
```

footer.php

```
<div id="footer"> Copyright <?php echo date("Y"); ?>. Primia Technologies </div>  
  
</body> </html>  
  
<?php  
  
if(isset($connection))  
{  
  
    mysqli_close($connection);  
  
}  
  
?>
```

db-connection.php

```
<?php  
  
define("DB_SERVER","localhost");  
  
define("DB_USER","primia_cms");  
  
define("DB_PASS","secret");  
  
define("DB_NAME","primia_tech");
```

```

$connection=mysqli_connect(DB_SERVER,DB_USER,DB_PASS,DB_NAME);

if(mysqli_connect_errno())

{
    die("Database Connection Failed: ".mysqli_connect_error().("".mysqli_connect_errno()."));
}

?>

```

session.php

```

<?php session_start();

function message()

{
    if(isset($_SESSION["message"]))
    {
        $output("<div class=\"message\">";

        $output.=htmlentities($_SESSION["message"]);

        $output.="</div>";

        $_SESSION["message"]=null;

        return $output;
    }
}

function errors()

{
    if(isset($_SESSION["errors"]))
    {
        $errors=$_SESSION["errors"];

        $_SESSION["errors"]=null;
    }
}

```

```

        return $errors;
    }
}
?>

```

validation-functions.php

```

<?php
$errors=array();

function has_presence($value)
{
    return isset($value)&& $value!="";
}

function validate_presences($required_fields)
{
    global $errors;

    foreach($required_fields as $field)
    {
        $value=trim($_POST[$field]);

        if(!has_presence($value))
        {
            $errors[$field]=fieldname_as_text($field). " can't be blank";
        }
    }
}

function fieldname_as_text($fieldname)
{

```

```

        $fieldname=str_replace("_","",$fieldname);

        $fieldname=ucfirst($fieldname);

        return $fieldname;
    }

function has_max_length($value,$max)
{
    return strlen($value)<=$max;
}

function validate_max_lengths($fields_with_max_len)
{
    global $errors;

    foreach($fields_with_max_len as $field =>$max)
    {
        $value=trim($_POST[$field]);

        if(!has_max_length($value,$max))
        {
            $errors[$field]=fieldname_as_text($field)." is too long";
        }
    }
}

function has_inclusion_in($value,$set)
{
    return in_array($value,$set);
}

?>

```

functions.php

```
<?php

function attempt_login($username,$password)
{
    $admin=find_admin_by_username($username);
    if($admin)
    {
        //check pwd
        if(password_check($password,$admin["hashed_password"]))
        {
            return $admin; }
        else
        {
            return false; }
    }
    else
    {
        return false; }
}

function confirm_logged_in()
{
    if(!logged_in())
    {
        $_SESSION["message"]="Error! Please Log in to continue.";
        redirect_to("login.php");
    }
}

function confirm_query($result_set)
{

```

```

global $connection;

    if(!$result_set)

        {            die("Database Query Failed.".mysql_error($connection));            }

}

function find_admin_by_id($admin_id)

{
    global $connection;

    $admin_id=mysql_real_escape_string($connection,$admin_id);

    $query="Select * ";

    $query.="From admins ";

    $query.="where id={$admin_id} ";

    $query.="limit 1 ";

    $admin_set=mysql_query($connection,$query);

    confirm_query($admin_set);

    if($admin=mysql_fetch_assoc($admin_set))

    {
        return $admin;
    }

    else

    {
        return null;
    }

}

function find_admin_by_username($username)

{
    global $connection;

    $safe_username=mysql_real_escape_string($connection,$username);

    $query="Select * ";

    $query.="From admins ";

    $query.="where username='{$safe_username}' ";

    $query.="limit 1 ";

```

```

$admin_set=mysqli_query($connection,$query);
confirm_query($admin_set);
if($admin=mysqli_fetch_assoc($admin_set))
{
    return $admin;
}
else
{
    return null;
}

function find_all_admins()
{
    global $connection;
    $query="Select * ";
    $query.="From admins ";
    $query.="order by username asc ";
    $admin_set=mysqli_query($connection,$query);
    confirm_query($admin_set);
    return $admin_set;
}

function find_all_pages($subject_id,$public=true)
{
    global $connection;
    $query="Select * ";
    $query.="From pages ";
    $query.="where subject_id={$subject_id} ";
    if($public)
    {
        $query.="and visible=1 ";
    }
    $query.="order by position asc ";
    $page_set=mysqli_query($connection,$query);

```

```

confirm_query($page_set);

return $page_set;

}

function find_all_subjects($public=true)

{
    global $connection;

    $query="Select * ";

    $query.="From subjects ";

    if($public)

    {
        $query.="where visible=1 ";
    }

    $query.="order by position asc ";

    $subject_set=mysqli_query($connection,$query);

    confirm_query($subject_set);

    return $subject_set;

}

function find_default_page_for_subject($subject_id)

{
    $page_set=find_all_pages($subject_id);

    if($first_page=mysqli_fetch_assoc($page_set))

    {
        return $first_page;
    }

    else

    {
        return null;
    }

}

function find_page_by_id($page_id,$public=true)

{
    global $connection;

    $page_id=mysqli_real_escape_string($connection,$page_id);

    $query="Select * ";

```



```

$query.="From pages ";

$query.="where id={$page_id} ";

if($public)

{
    $query.="and visible=1 ";
}

$query.="limit 1 ";

$page_set=mysqli_query($connection,$query);

confirm_query($page_set);

if($page=mysqli_fetch_assoc($page_set))

{
    return $page;
}

else

{
    return null;
}

function find_subject_by_id($subject_id,$public=true)

{
    global $connection;

    $subject_id=mysqli_real_escape_string($connection,$subject_id);

    $query="Select * ";

    $query.="From subjects ";

    $query.="where id={$subject_id} ";

    if($public)

    {
        $query.="and visible=1 ";
    }

    $query.="limit 1 ";

    $subject_set=mysqli_query($connection,$query);

    confirm_query($subject_set);

    if($subject=mysqli_fetch_assoc($subject_set))

    {
        return $subject;
    }
}

```

else

```
{      return null;    }  
}
```

function find_selected_page(\$public=false)

```
{  global $current_subject;
```

```
global $current_page;
```

```
if(isset($_GET["subject"]))
```

```
{      $current_subject=find_subject_by_id($_GET["subject"],$public);
```

```
    if($current_subject && $public)
```

```
    {      $current_page=find_default_page_for_subject($current_subject["id"]);      }
```

```
    else
```

```
    {      $current_page=null;    }
```

```
}
```

```
elseif(isset($_GET["page"]))
```

```
{      $current_page=find_page_by_id($_GET["page"],$public);
```

```
    $current_subject=null;  }
```

else

```
{      $current_subject=null;
```

```
    $current_page=null;    }
```

```
}
```

function form_errors(\$errors=array())

```
{      $output="";
```

```
    if(!empty ($errors))
```

```
    {      $output("<div class=\"error\">";
```

```

        $output.="Please fix the following errors:";

        $output.="<ul>";

        foreach($errors as $key => $error){

            $output.="<li>";

            $output.=htmlentities($error);

            $output.="</li>";

        }

        $output.="</ul>";

        $output.="</div>";

    }

    return $output;
}

function generate_salt($length)
{
    $unique_random_string=md5(uniqid(mt_rand(),true));

    $base64_string=base64_encode($unique_random_string);

    $modified_base64_string=str_replace('+','.', $base64_string);

    $salt=substr($modified_base64_string,0,$length);

    return $salt;
}

function logged_in()
{
    return isset($_SESSION['admin_id']); }

function mysql_prep($string)
{
    global $connection;

    $escaped_string=mysqli_real_escape_string($connection,$string);

    return $escaped_string; }

```

```

function navigation($subject_array,$page_array)
{
    $output="<br>";

    $output.="<ul class=\"subjects\">";

    $subject_set=find_all_subjects(false);

    while($subject=mysqli_fetch_assoc($subject_set))

    {
        $output.= "<li";

        if($subject_array && $subject["id"]==$subject_array["id"])

        {
            $output.=" class=\"selected\"";
        }

        $output.= ">";

        $output.="<a href=\"manage-content.php?subject=";

        $output.= urlencode($subject["id"]);

        $output.="\">&nbsp;&nbsp; ";

        $output.= htmlentities($subject["menu_name"]);

        $output.="</a>";

        $page_set=find_all_pages($subject["id"],false);

        $output.="<ul class=\"pages\">";

        while($page=mysqli_fetch_assoc($page_set))

        {

            $output.= "<li";

            if($page_array && $page["id"]==$page_array["id"])

            {
                $output.= " class=\"selected\"";
            }

            $output.= ">";

            $output.="<a href=\"manage-content.php?page=";

            $output.= urlencode($page["id"]);

            $output.="\">";

```

```

        $output.= htmlentities($page["menu_name"]);

        $output.="</a>";

        $output.="</li>";
    }

    mysqli_free_result($page_set);

    $output.="</ul>";

    $output.="</li>";

    $output.="<br>";

}

mysqli_free_result($subject_set);

$output.="</ul>";

return $output;

}

function page_list_by_subject($subject_array)
{
    $output="<b>Pages in this Subject:</b><br>";

    $page_set=find_all_pages($subject_array["id"]);

    $output.="<ul>";

    while($page=mysqli_fetch_assoc($page_set))
    {
        $output.= "<li>";

        $output.= htmlentities($page["menu_name"]);

        $output.="</li>";

    }

    mysqli_free_result($page_set);

    $output.="</ul>";

    return $output;
}

```

```

}

function password_check($password,$existing_hash)
{
    $hash=crypt($password,$existing_hash);

    if($hash=== $existing_hash)
    {
        return true;
    }
    else
    {
        return false;
    }
}

function password_encrypt($password)
{
    $hash_format="$2y$10$";

    $salt_length=22;

    $salt=generate_salt($salt_length);

    $format_and_salt=$hash_format.$salt;

    $hash=crypt($password,$format_and_salt);

    return $hash;
}

function public_navigation($subject_array,$page_array)
{
    $output="<br>";

    $output.="<ul class=\"subjects\">";

    $subject_set=find_all_subjects();

    while($subject=mysqli_fetch_assoc($subject_set))
    {
        $output.= "<li";

        if($subject_array && $subject["id"]== $subject_array["id"])

```

```

        {      $output.=" class=\"selected\"";      }

$output.=">";

$output.="<a href=\"index.php?subject=";

$output.= urlencode($subject["id"]);

$output.="\">&nbsp;&nbsp; ";

$output.= htmlentities($subject["menu_name"]);

$output.="</a>";

if($subject["id"]== $subject_array["id"] || $page_array["subject_id"]== $subject["id"])

{
    $page_set=find_all_pages($subject["id"]);

    $output.="<ul class=\"pages\">";

    while($page=mysqli_fetch_assoc($page_set))

{

    $output.="<li";

    if($page_array && $page["id"]== $page_array["id"])

    {
        $output.=" class=\"selected\"";
    }

    $output.=">";

    $output.="<a href=\"index.php?page=";

    $output.= urlencode($page["id"]);

    $output.="\">";

    $output.= htmlentities($page["menu_name"]);

    $output.="</a>";

    $output.="</li>";

}

$output.="</ul>";

mysqli_free_result($page_set);

```

```
    }  
    $output.="</li>";  
    $output.="<br>";  
}  
mysqli_free_result($subject_set);  
$output.="</ul>";  
return $output;  
}  
function redirect_to($new_location)  
{  
    header("Location: ".$new_location);  
    exit;  
}  
?>
```