American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation
Finished Project Report
Fall 2022-2023

Project Title: Software Project Management Application
Section: C

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Software Project Management Application

Project Description:

Software Project Management Application (SPMA) is basically a type of application that is developed for software development companies, where the different software development phases can be smoothly monitored by this application in the development company. As most of the companies nowadays works remotely, and the communication between the full project team gets hard so in this situation an application like SPMA can be very helpful for both the project development team and the client. The application helps to keep track on the full development of a product from the scratch. SPMA is the most interactive application which maintains a strong communication between multiple user roles like-

Client:

- Project progress dashboard
- Project title / description upload
- Project requirement upload
- Can see all the requirement
- Request for new requirement

Admin:

- Project progress dashboard
- Register new employee
- Update employee's information
- Can see employees Information
- Can assign project manager, technical writer, analyzer
- Can see pending leave request

Analyzer:

- Analyzer can check multiple project list
- Can see their work update
- Can set requirement priority
- Can upload project prototype
- Can do project estimation
- Can request for meeting
- Can request for leave
- Project progress dashboard

Manager:

- Can assign project requirements (To the developer)
- Can assign project requirements (To the tester
- Can schedule meeting
- Can see meeting request
- Can request for leave
- Project progress dashboard

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Developer:

- Can update unit testing result
- Can see their work update
- Can request unit testing recheck
- Can upload work paper
- Can view project prototype
- Can make a leave request
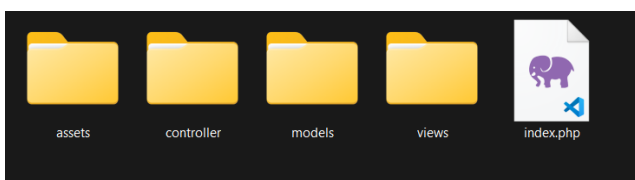- Project progress dashboard

Tester:

- Project progress dashboard
- Can see unit testing result progress
- Can do meeting request
- Can request for rechecking unit testing result
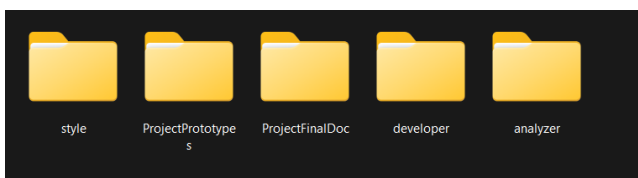- Can upload integration testing result

Technical Writer:

- Project progress dashboard
- Can handle multiple project
- Can see their work update
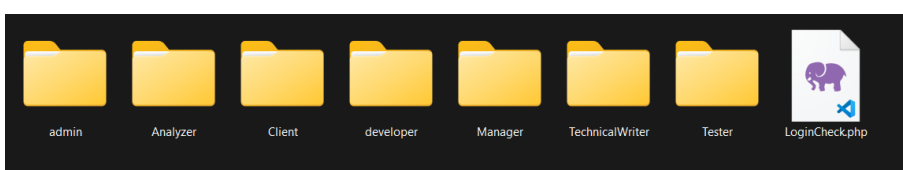- Can upload project final documentation
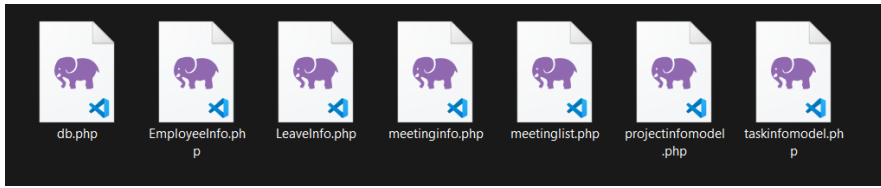
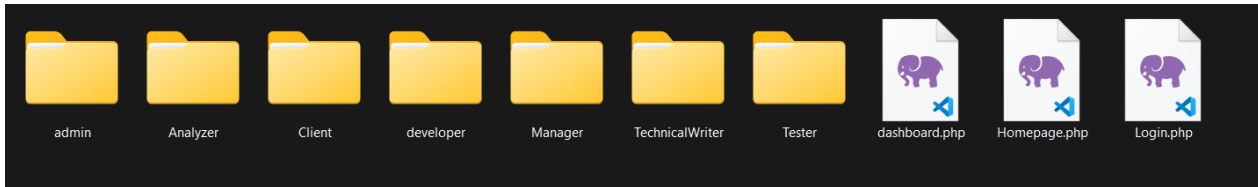**Project Folder Structure:**

SPMA-

Assets-

Controller-

Software Project Management Application

Models-

Views-

Core Modules of the Project:

1. LoginCheck.php

```php
<?php
session_start();
require_once('../models/EmployeeInfo.php');
$user['username'] = $_POST['username'];
$user['password'] = $_POST['password'];
$user=login($user);
print_r($user);
if($user == null){
header('location: ../views/login.php?err=invalid');
}
$role = $user['role'];
$_SESSION['empid'] = $user['empid'];
$_SESSION['username'] = $user['username'];

if($role == 'Analyzer'){
header('location: ../views/Analyzer/projectlistana.php');
}
if($role == 'Manager'){
header('location: ../views/Manager/projectListManager.php');
}
if($role =='Developer'){
header('location: ../views/developer/ProjectDeveloper.php');
}
if($role == 'Tester'){
header('location: ../views/Tester/projectTester.php');
}
if($role == 'Technical_Writer'){
header('location: ../views/TechnicalWriter/projectlisttw.php');
}
if($role == 'Client'){
header('location: ../views/Client/client.php');
}
```

```php
if($role == 'Admin'){
header('location: ../views/admin/Admin.php');
}
?>
```

2. prototypeupload.php

```php
<?php

    session_start();

    require_once('../../models/projectinfomodel.php');

    $projectid = $_SESSION['projectid'];

    if(isset($_POST['submit'])){

        $allowed_ext =array ('png' , 'jpg' , 'jpeg', 'gif');

        if(!empty($_FILES['image']['name'])){

            $file_name = $_FILES['image']['name'];
            $file_size = $_FILES['image']['size'];
            $file_tmp = $_FILES['image']['tmp_name'];
            $target_dir = "../../assets/ProjectPrototypes/${file_name}";

            $file_ext = explode('.', $file_name);
            $file_ext = strtolower(end($file_ext));

            //validation file ext

            if(in_array($file_ext, $allowed_ext)){

                if($file_size <= 10000000000000){

                    move_uploaded_file($file_tmp, $target_dir);

                    $prototypeup = insertprototype($target_dir, $projectid);

                    if($prototypeup){

                        header('location: ../../views/Analyzer/prototype.php');

                    }else{
                        echo "DB error!";
                    }

                } else {

                    $_SESSION['message'] = 'File is too large!';
                    header('location: ../../views/Analyzer/prototype.php');

                } else {

                    $_SESSION['message'] = 'Invalid File!';
                    header('location: ../../views/Analyzer/prototype.php');
```

```
        }

    }
    else{

        $_SESSION['message'] = 'Please Choose A File!';
        header('location: ../../views/Analyzer/prototype.php');

    }

  }

?>
```

3. checkTesterAssign.php

```php
<?php

  session_start();

  require_once('../../models/taskinfomodel.php');

  $task['taskid'] = $_POST['taskid'];
  $task['empid'] = $_POST['empid'];
  $task['projectname'] = $_POST['pname'];

    if($task['taskid'] !== null && $task['empid'] && $task['projectname'])
    {
       $user = assignTester($task);
       if($user){
            header('location: ../../views/Manager/testerAssign.php');
            }
       else{
            echo "Db error";
       }
    }
    else
    {
       header('location: ../../views/Manager/testerAssign.php?');
    }

?>
```

CO2 and CO4 Evaluation: Project Report Evaluation					
Completeness (5)	Validation (5)	Feature Implementation (5)	Concept Understanding (5)	Promptness (5)	Total (25)

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