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**Abstract**

In the traditional method of correction. The student would submit handwritten assignments and then the teacher would have to correct the assignments and then keep them later for documentation purpose. This System allows the student to upload soft copies of their files at any time which can be accessible to the teachers without the burden of carrying or storing them for later use. The teachers can also upload files which are related to the subject they are teaching the students.

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**Introduction**

File Management System is an easy method of managing the students and teachers. In this project Faculty and students can upload files which will be displayed for each other when they login to the website.

**Overview: -**

The project FILE MANAGEMENT SYSTEM is developed with the intention of easing process of collecting the files manually for both students and teachers. By storing all the files in one place and allowing only the users with the correct permissions to access those files.

**Proposed System: -**

An Admin creates unique ID’s for both student and teachers.

The Teacher creates the subject and which batch the subject is taught to.

The Student can then upload files related to that subject.

The Teacher can download the files uploaded by the student.

The Teacher can also upload the files for the student to download.

The Teacher can stop uploads for a particular subject by changing its status to compete.

Once a subject has been set to complete it is archived.

In the archives any of the previously taught subjects can be viewed by all the Teachers.

**Hardware and Software Requirements**

**For Developers**

**Hardware Requirements: -**

* RAM – 250MB or above.
* Hard Disk – 50GB or above.

**Software Requirements: -**

* Front End – HTML5, CSS3, JavaScript version 1.8.1.
* Back End – MYSQL version 5.7, PHP - version 5.6.
* Web Server – Apache Server version -2.4

**Software Requirements Specification**

# Introduction

## Purpose

In the traditional method of correction. The student would handwrite their assignments and then the teacher would have to correct the books and keep them later for documentation purposes. This System allows the student to upload soft copies of their files at any time which can be accessible to the teachers without the burden of carrying or storing them for later use.

# Overall Description

## Product Perspective

The File Storage portal is a web-based application that can be used by the Students to upload the various files related to the college syllabus online. The teacher can then download the files grouped by student.

## Product Functions

An Admin creates unique ID’s for both student and teachers.

The Teacher creates the subject and which batch the subject is taught to.

The Student can then upload files related to that subject.

The Teacher can download the files uploaded by the student

The Teacher can stop uploads for a particular subject by changing its status to compete.

Once a subject has been set to complete it is archived.

In the archives any of the previously taught subjects can be viewed by all the Teachers.

## User Classes and Characteristics

There are 3 different types of users for this product; Administrator, Teacher and student.

**Administrator:** Their role is to create the user ID for both the faculty and the student. If the user forgets their password and resets it. The administrator will be able to give them their initial auto-generated password.

**Teacher:** Their role is to create the subjects. They can then view the files that have been uploaded for that particular subject. Once the subject has been completed, they can end the subject.

**Student:** Their role is to upload files related to the subjects that are currently being taught to them.

## Operating Environment

**For users**

The software is a web-based application, it will operate on any operating system with a modern web browser which has JavaScript enabled and an active internet connection.

**For Developers**

**Hardware Requirements: -**

* RAM – 250MB or above.
* Hard Disk – 50GB or above.

**Software Requirements: -**

* Front End – HTML5, CSS3, JavaScript version 1.8.1.
* Back End – MYSQL version 5.7, PHP - version 5.6.
* Web Server – Apache Server version -2.4

# System Features

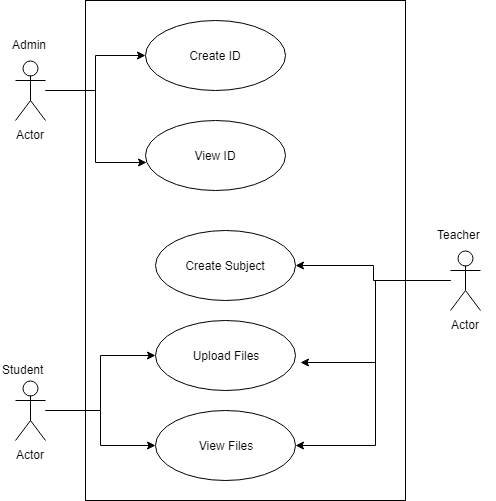
**

Figure 1: Use case diagram for File management system

The use case diagram of the file management system is a representation of the user's interaction with the system that shows the relationship between the user and the different use cases in which the user can be involved.

## Administrator create ID

Administrator can create ID’s for both the student and teacher. The ID’s will have an auto generated password by default.

3.1.1 **Functional Requirements**

The ID’s when being created must be of the proper format

REQ-1: Unique ID must be Entered

## Administrator View ID

Administrator can view the ID’s along with the initial auto generated password in case the user has reset their password and no longer remembers the default password.

## Teacher Create Subject

The teacher can create subjects where the student uploads files.

**3.3.1 Functional Requirements**

The Data entered when being created must be of the proper

REQ-1: Subject Data must be valid.

## Teacher View Files

Teacher can view files both related to their subjects which they are teaching and also other subjects taught by other teachers for reference.

## Teacher Upload Files

The teacher can upload files for the student to download.

## Student Upload Files

The student can upload the different files related to the subjects for the teachers to download.

## Student View Files

The Student can view the files which are uploaded by the teachers and the files they have previously uploaded.

**Implementation**

The code uses HTML and CSS for the front-end design. JavaScript and jQuery for client-side validation. AJAX to communicate with the PHP pages. PHP for server-side communication. The data is stored using MYSQL.

**Script.js**

Contains all the jQuery functions which loads php pages through AJAX.

$(document).ready(function(){

// Toggle betwwen diffrent login forms

$(".student-header").click(function(){

$(".student-header").addClass("login-active");

$(".teacher-header").removeClass("login-active");

$(".student-login").removeClass("hide");

$(".teacher-login").addClass("hide");

});

$(".teacher-header").click(function(){

$(".teacher-header").addClass("login-active");

$(".student-header").removeClass("login-active");

$(".student-login").addClass("hide");

$(".teacher-login").removeClass("hide");

});

//Admin Login

$('#login-admin-submit').on('click', function (event) {

event.preventDefault();

var username=document.getElementById("username").value;

var pwd=document.getElementById("password").value;

if (username == "") {

alert(" Please enter your username ");

$('html, body').animate({

scrollTop: ($('#username').offset().top)

}, 500);

return false;

}

if (pwd == "") {

alert("Please Enter your password");

$('html, body').animate({

scrollTop: ($('#password').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('username',username);

formData.append('password',pwd);

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "admin/admin\_login\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Error')

{

alert("Username or password does not exist");

}

else {

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/admin/admin\_dashboard.php");

}

}

});

}

});

//admin Student scripts

$('#create-student').on('click', function (event) {

event.preventDefault();

$.ajax({

url: "admin\_create\_student.php",

success:function(result){

$("#results").html(result);

}});

});

$('#view-student').on('click', function (event) {

event.preventDefault();

$.ajax({

url: "admin\_view\_student.php",

success:function(result){

$("#results").html(result);

}});

});

//Admin Professor Scripts

$('#create-professor').on('click', function (event) {

event.preventDefault();

$.ajax({

url: "admin\_create\_professor.php",

success:function(result){

$("#results").html(result);

}});

});

//To load professor password

$('#view-professor').on('click', function (event) {

event.preventDefault();

$.ajax({

url: "admin\_view\_professor.php",

success:function(result){

$("#results").html(result);

}});

});

$('#faculty-login-submit').on('click', function (event) {

event.preventDefault();

var username=document.getElementById("faculty-id-login").value;

var pwd=document.getElementById("faculty-password-login").value;

if (username == "") {

alert(" Please enter your username ");

$('html, body').animate({

scrollTop: ($('#faculty-id-login').offset().top)

}, 500);

return false;

}

if (pwd == "") {

alert("Please Enter your password");

$('html, body').animate({

scrollTop: ($('#faculty-password-login').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('username',username);

formData.append('password',pwd);

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "faculty/faculty\_login\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Error')

{

alert("Username or password does not exist");

}

else if (result=="old") {

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/faculty/faculty\_old\_password.php");

}

else {

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/faculty/faculty\_subject\_view.php");

}

}

});

}

});

$('#faculty-update-password-submit').on('click', function (event) {

event.preventDefault();

var pwd=document.getElementById("faculty-old-password").value;

var conpwd=document.getElementById("faculty-new-password").value;

var dob=window.dob;

var pattern=/^[0-9]{2}\/[0-9]{2}\/[0-9]{4}$/;

if (pwd == "") {

alert(" Please enter your password ");

$('html, body').animate({

scrollTop: ($('#faculty-old-password').offset().top)

}, 500);

return false;

}

if (dob == "") {

alert("Please Enter you date of Birth");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if(!pattern.test(dob))

{

alert("Please Enter you date of Birth in format mm/dd/YYYY");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if (conpwd == "") {

alert("Please confirm your password");

$('html, body').animate({

scrollTop: ($('#faculty-new-password').offset().top)

}, 500);

return false;

}

if (conpwd != pwd) {

alert("Password and confirm password do not match");

$('html, body').animate({

scrollTop: ($('#faculty-old-password').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('password',pwd);

formData.append('dob',dob);

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "faculty\_update\_password\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Success')

{

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/faculty/faculty\_subject\_view.php");

}

else {

alert("Password did not update please try again");

}

}

});

}

});

$('#student-login-submit').on('click', function (event) {

event.preventDefault();

var username=document.getElementById("student-usn-login").value;

var pwd=document.getElementById("student-password-login").value;

if (username == "") {

alert(" Please enter your username ");

$('html, body').animate({

scrollTop: ($('#student-id-login').offset().top)

}, 500);

return false;

}

if (pwd == "") {

alert("Please Enter your password");

$('html, body').animate({

scrollTop: ($('#student-password-login').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('username',username);

formData.append('password',pwd);

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "student/student\_login\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Error')

{

alert("Username or password does not exist");

}

else if (result=="old") {

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/student/student\_old\_password.php");

}

else {

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/student/student\_active\_subject.php");

}

}

});

}

});

$('#student-update-password-submit').on('click', function (event) {

event.preventDefault();

//alert(window.dob);

var pwd=document.getElementById("student-old-password").value;

var conpwd=document.getElementById("student-new-password").value;

var dob=window.dob;

var pattern=/^[0-9]{2}\/[0-9]{2}\/[0-9]{4}$/;

if (pwd == "") {

alert(" Please enter your password ");

$('html, body').animate({

scrollTop: ($('#student-old-password').offset().top)

}, 500);

return false;

}

if (conpwd == "") {

alert("Please confirm your password");

$('html, body').animate({

scrollTop: ($('#student-new-password').offset().top)

}, 500);

return false;

}

if (dob == "") {

alert("Please Enter you date of Birth");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if(!pattern.test(dob))

{

alert("Please Enter you date of Birth in format mm/dd/YYYY");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if (conpwd != pwd) {

alert("Password and confirm password do not match");

$('html, body').animate({

scrollTop: ($('#student-old-password').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('password',pwd);

formData.append('dob',dob)

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "student\_update\_password\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Success')

{

alert("Sucesfully logged in");

window.location.replace("http://localhost/Stor/student/student\_active\_subject.php");

}

else {

alert("Password did not update please try again");

}

}

});

}

});

$('#faculty-forgot-submit').on('click', function (event) {

event.preventDefault();

//alert(window.dob);

var id=document.getElementById("faculty-id-forgot").value;

var dob=window.dob;

var pattern=/^[0-9]{2}\/[0-9]{2}\/[0-9]{4}$/;

if (id == "") {

alert(" Please enter your password ");

$('html, body').animate({

scrollTop: ($('#faculty-id-forgot').offset().top)

}, 500);

return false;

}

if (dob == "") {

alert("Please Enter you date of Birth");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if(!pattern.test(dob))

{

alert("Please Enter you date of Birth in format mm/dd/YYYY");

$('html, body').animate({

scrollTop: ($('#faculty-dob').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('id',id);

formData.append('dob',dob)

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "faculty/faculty\_forgot\_password\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Success')

{

alert("Your password has been rested to your default password.Please contact the adminstaror for more details.");

window.location.replace("http://localhost/Stor/index.php");

}

else {

alert("Password has not been reset");

}

}

});

}

});

$('#student-forgot-submit').on('click', function (event) {

event.preventDefault();

//alert(window.dob);

var id=document.getElementById("student-id-forgot").value;

var dob=window.dob;

var pattern=/^[0-9]{2}\/[0-9]{2}\/[0-9]{4}$/;

if (id == "") {

alert(" Please enter your password ");

$('html, body').animate({

scrollTop: ($('#student-id-forgot').offset().top)

}, 500);

return false;

}

if (dob == "") {

alert("Please Enter you date of Birth");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

if(!pattern.test(dob))

{

alert("Please Enter you date of Birth in format mm/dd/YYYY");

$('html, body').animate({

scrollTop: ($('#student-dob').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('id',id);

formData.append('dob',dob)

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "student/student\_forgot\_password\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Success')

{

alert("Your password has been rested to your default password. Please contact the administrator for more details.");

window.location.replace("http://localhost/Stor/index.php");

}

else {

alert("Password has not been reset");

}

}

});

}

});

$('#subject-form-submit').on('click', function (event) {

event.preventDefault();

var name=document.getElementById("subject-name-add").value;

var code=document.getElementById("subject-code-add").value;

var batch=document.getElementById("batch").value;

if (name == "") {

alert(" Please enter subject name ");

$('html, body').animate({

scrollTop: ($('#subject-name-add').offset().top)

}, 500);

return false;

}

if (code == "") {

alert("Please enter the subject code");

$('html, body').animate({

scrollTop: ($('#subject-code-add').offset().top)

}, 500);

return false;

}

else {

var formData=new FormData();

formData.append('name',name);

formData.append('code',code);

formData.append('batch',batch);

// for (var pair of formData.entries()) {

// console.log(pair[0]+ ', ' + pair[1]);

//}

$.ajax({

type: "POST",

url: "faculty\_subject\_add\_ajax.php",

processData: false,

contentType: false,

data:formData,

success:function(result)

{

if(result=='Success')

{

alert("Sucesfully created");

window.location.replace("http://localhost/Stor/faculty/faculty\_subject\_view.php");

}

else {

alert("Subject has not been created please try again");

}

}

});

}

});

});

**Student\_file\_uplaod\_ajax.php**

This page is what will be called when the student wants uploads a file to the server.

<?php

session\_start();

include dirname($\_SERVER['DOCUMENT\_ROOT']).'/htdocs/Stor/db-connect.php';

$username = $\_SESSION['username'];

$subjectid = $\_SESSION['subject\_id'];

$count = count($\_FILES['fileToUpload']['name']);

//print\_r($\_FILES);

//echo "../Uploads/".$\_SESSION['batch'];

if (!is\_dir("../Uploads/".$\_SESSION['batch'])) {

//Create our directory if it does not exist

mkdir("../Uploads/".$\_SESSION['batch'],0744,true);

}

if (!is\_dir("../Uploads/".$\_SESSION['batch']."/".$\_SESSION['username'])) {

//Create our directory if it does not exist

mkdir("../Uploads/".$\_SESSION['batch']."/".$\_SESSION['username'],0744,true);

}

if (!is\_dir("../Uploads/".$\_SESSION['batch']."/".$\_SESSION['username']."/".$\_SESSION['subject\_id'])) {

//Create our directory if it does not exist

mkdir("../Uploads/".$\_SESSION['batch']."/".$\_SESSION['username']."/".$\_SESSION['subject\_id'],0744,true);

}

for ($i = 0; $i < $count; $i++) {

$target\_dir = "../Uploads/".$\_SESSION['batch']."/".$\_SESSION['username']."/".$\_SESSION['subject\_id']."/";

//echo $\_FILES["fileToUpload"]["name"];

$target\_file = $target\_dir . basename($\_FILES["fileToUpload"]["name"][$i]);

$uploadOk = 1;

$filename=basename($\_FILES["fileToUpload"]["name"][$i]);

// Check if file already exists

if (file\_exists($target\_file)) {

echo "Sorry, file already exists.";

$uploadOk = 0;

}

// Check if $uploadOk is set to 0 by an error

if ($uploadOk == 0) {

echo "Sorry, your file was not uploaded.";

// if everything is ok, try to upload file

} else {

if (move\_uploaded\_file($\_FILES["fileToUpload"]["tmp\_name"][$i], $target\_file)) {

$sql1="INSERT INTO file\_details(file\_name,id,subject\_id\_fk) VALUES ('$filename','$username','$subjectid')";

echo $sql1;

if (mysqli\_query($conn, $sql1)) {

echo "Success";

}

} else {

echo "Sorry, there was an error uploading your file.";

}

}

}

?>

**Screenshots**

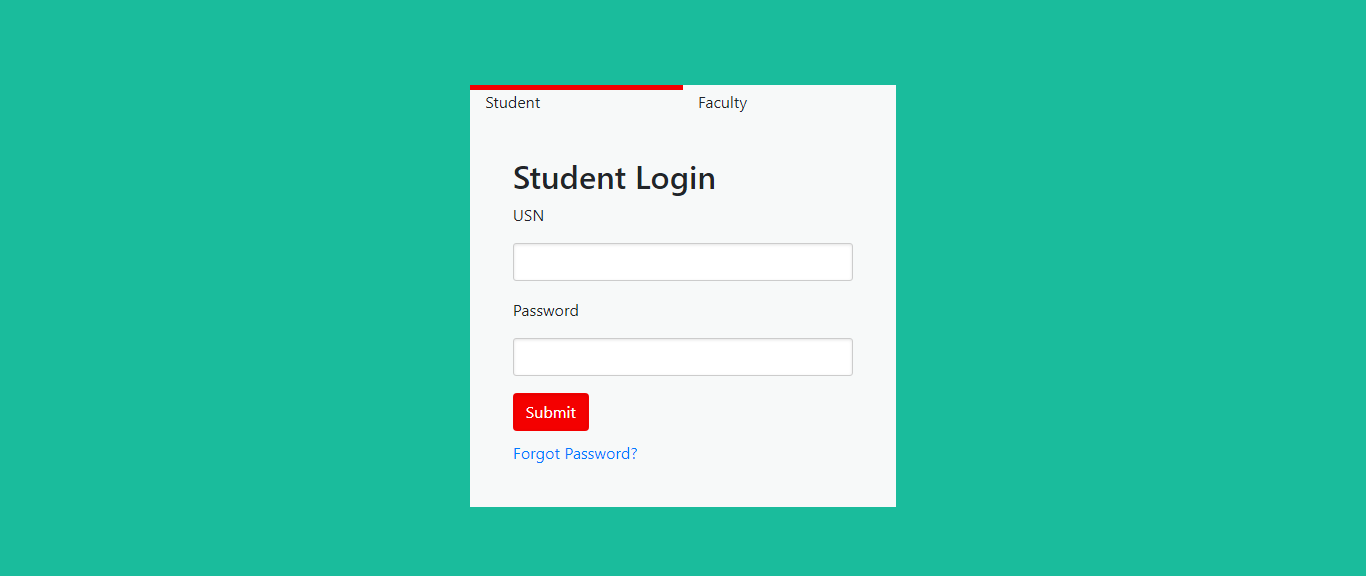


Figure 2: index.php

This is the first page the users will interact with

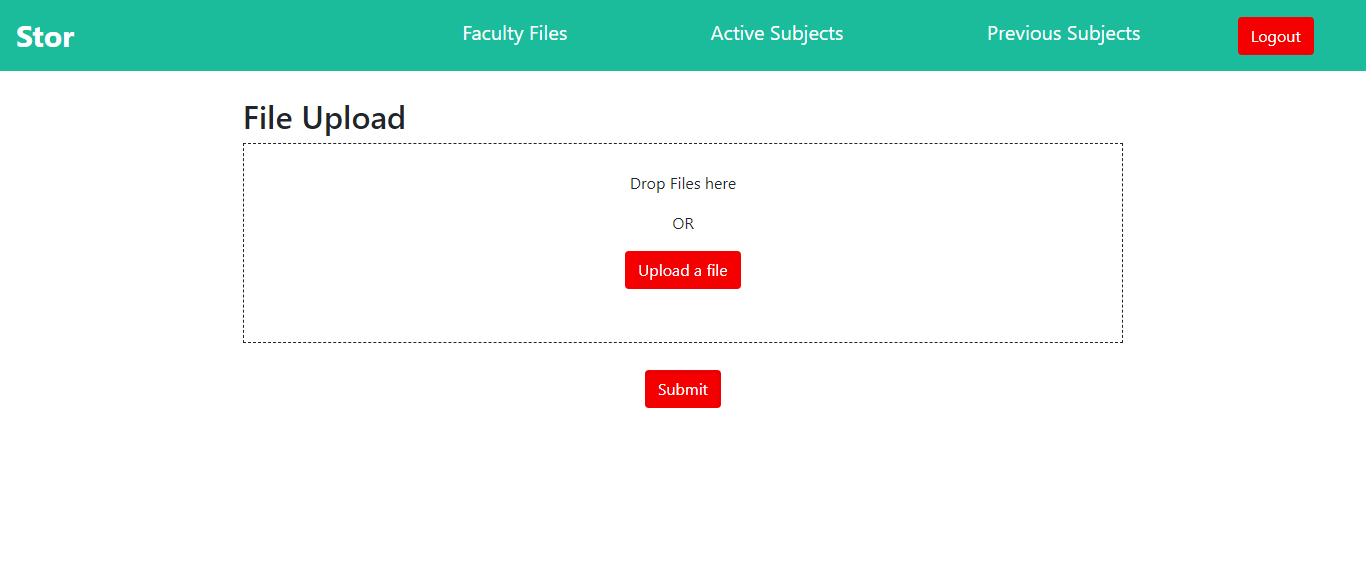


Figure 3: faculty\_file\_upload.php

This is the page that the faculty will see when they want to upload files to the server.

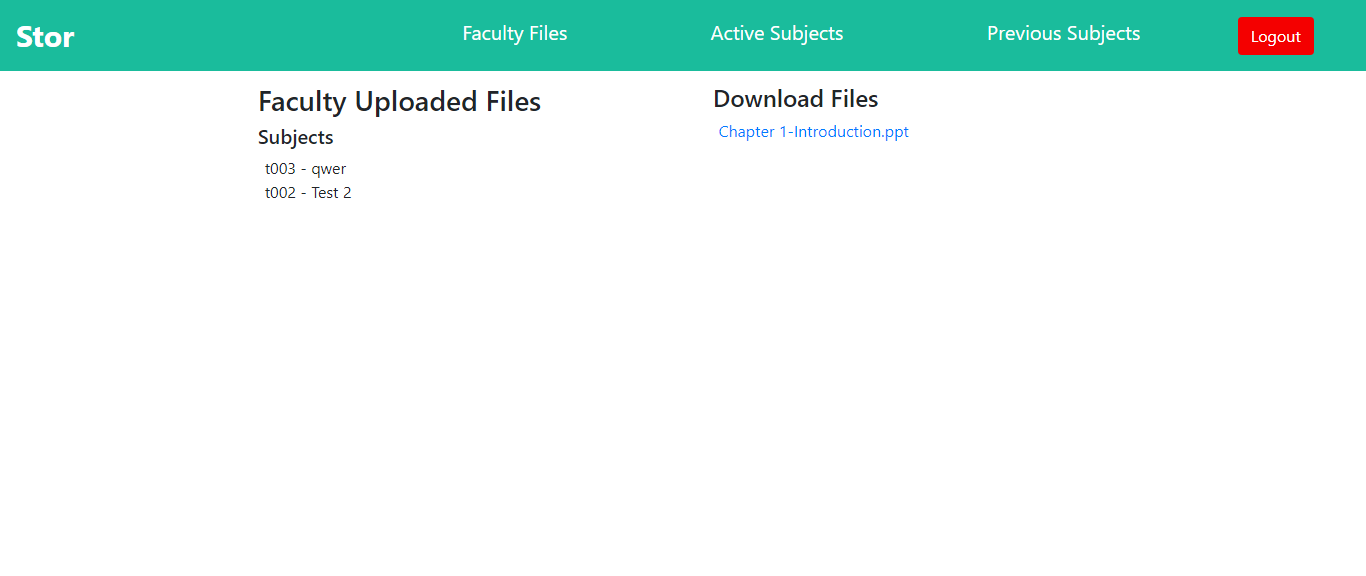


Figure 4: Student\_list\_faculty\_files.php

This is the page the student will see when they want to download any files that the faculty have uploaded.

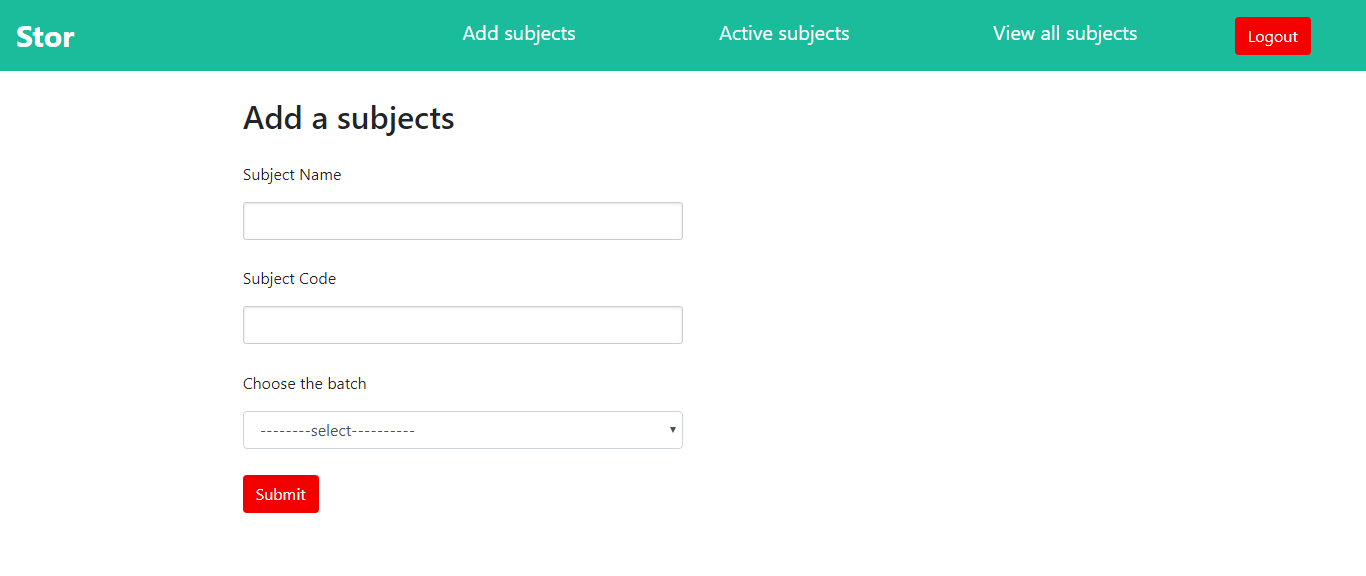


Figure 5: faculty\_add\_subject.php

This is the page that the faculty will view when they want to add a subject to teach a particular batch.

**Conclusion**

This project provides friendly graphical user interface in both student and faculty side. Automation of the file system improves the efficiency; it gives appropriate access to the authorized users depending on their permissions. Uploading and downloading files are made easy for the users. The main advantage of this project is users need not wait for a particular time to download and upload files, the files are displayed to faculty per student, and can be downloaded.

**Future Scope and Enhancement**

In this project files which are uploaded can be compressed to reduce the storage space required per file. The files after the subject has be completed all the files uploaded by the students and the teacher for that particular subject can be zipped to further reduce the file size.

**Bibliography**

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