

Report SDE PROJECT

I am making a website for iit Jodhpur students where they can download and upload study material.

i am providing you all folder structure and code for every file

you have to make a very detailed report

these are folder structure

Notes-sharing-website

```
|
|--- included-files
|   |--- aboutus.html
|   |--- connect-database.php
|   |--- Constant.php
|   |--- head-setup.php
|   |--- navigation-bar.php
|   |--- scripts.php
|   |--- SessionConstant.php
|
|--- input-validators
|   |--- login-validator-input.php
|   |--- register-validator-input.php
|   |--- search-input.php
|
|--- src
|   |--- jscript
|   |   |--- login-validation-script.js
|   |   |--- register-validation-script.js
|   |   |--- search-subject.js
|   |
|   |--- style
|   |   |--- css
|   |   |   |--- style.css
|   |   |
|   |   |--- sass
|   |   |   |--- style.css
|   |   |   |--- style.sass
|
|--- uploads (for storing uploaded files)
|--- confirm-register.php
|--- download.php
|--- gruntfile.js
|--- IITJLogobig.png
|--- IITJLogoSmall.png
|--- index.php
|--- login.php
|--- notes.php
|--- notesQueries.sql
|--- register.php
|--- review.php
```

this is code for the mentioned file

Notes-sharing-website

```
|
|— included-files
| |— aboutus.html
```

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>IIT Jodhpur Study Materials</title>
<style>
body {
font-family: Arial, sans-serif;
margin: 20px;
padding: 20px;
}
header {
text-align: center;
padding: 10px;
background-color: #007BFF;
color: #fff;
}
h1 {
color: #007BFF;
}
p {
line-height: 1.6;
}
footer {
margin-top: 20px;
text-align: center;
padding: 10px;
background-color: #007BFF;
color: #fff;
}
</style>
</head>
<body>
<header>
<h1>IIT Jodhpur Study Materials</h1>
<p>Your Gateway to Open-Source Learning</p>
</header>
```

```
<section>
  <h2>About Us</h2>
  <p>Welcome to our open-source platform dedicated to providing high-quality study materials for students at the prestigious Indian Institute of Technology (IIT) Jodhpur. At the heart of our mission is the belief that knowledge should be freely accessible to all, fostering an environment where learning is a shared experience.</p>

  <h3>Our Commitment to IIT Jodhpur Students</h3>
  <p>IIT Jodhpur stands as a beacon of excellence in technical education in India. Recognizing the unique challenges and academic rigor that students face at this esteemed institution, we have curated a comprehensive collection of study materials spanning various disciplines.</p>

  <h3>Why Open Source?</h3>
```

```

        <p>Education is a powerful tool for empowerment, and we believe in making it accessible to everyone. By adopting an open-source model, we ensure that students have free and unrestricted access to a wealth of study materials, textbooks, lecture notes, and more.</p>
    </section>

    <footer>
        <p>&copy; 2023 IIT Jodhpur Study Materials. All rights reserved.</p>
    </footer>

```

```

</body>
</html>

```

| — connect-database.php

```

<?php
include('Constant.php');
$connection = mysqli_connect(DB_HOST, DB_USER, DB_PASS, DB_NAME);

if (mysqli_connect_errno()) {
    die("Database connection failed: " .
        mysqli_connect_error() .
        " (" . mysqli_connect_errno() . ")");
};
}
?>

```

| — Constant.php

```

<?php
// Database connection
const DB_HOST = "localhost";
const DB_USER = "root";
const DB_PASS = "";
const DB_NAME = "notes";

// Student table column names
const STUDENT_TABLE_NAME = "student";
const STUDENT_ID = "student_id";
const STUDENT_FIRST_NAME = "first_name";
const STUDENT_LAST_NAME = "last_name";
const STUDENT_USERNAME = "username";
const STUDENT_PASSWORD = "password";
const STUDENT_EMAIL = "email";

// Note table column names
const NOTE_TABLE_NAME = "note";
const NOTE_ID = "note_id";
const NOTE_TITLE = "title";
const NOTE_DATE = "date";
const NOTE_CONTENT = "notes";

// Subject table column names
const SUBJECT_TABLE_NAME = "subject";
const SUBJECT_ID = "subject_id";
const SUBJECT_NUMBER = "subject_no";

// urls
const HEADER_SETUP = 'included-files/head-setup.php';
const NAVIGATION_BAR = 'included-files/navigation-bar.php';
const SCRIPTS = 'included-files/scripts.php';

// post register/login details
const POST_USERNAME = 'username';
const POST_FIRST_NAME = 'firstname';
const POST_LAST_NAME = 'lastname';
const POST_EMAIL = 'email';

```

```

const POST_PASSWORD = 'password';
const POST_PASSWORD_REPEAT = 'repassword';

// post notes details
const POST_NOTE_NUMBER = "subno";
const POST_NOTE_TITLE = "title";
const POST_NOTE_CONTENT = "content";

?>

```

| |— head-setup.php

```

<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=yes">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.css">
<link rel="stylesheet" type="text/css" href="src/style/css/style.css">

```

| |— navigation-bar.php

```

<?php
    session_start();
    $user_logged_in = false;
    include('SessionConstant.php');
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>IITJKnowledgeNest</title>
    <style>
        body {
            font-family: 'Arial', sans-serif;
            margin: 0;
            padding: 0;
            background-color: #f8f9fa;
        }

        .navbar {
            background-color: #007bff;
            padding: 15px 0;
            color: #fff;
        }

        .container-fluid {
            display: flex;
            justify-content: space-between;
            align-items: center;
        }

        .navbar-brand {
            font-size: 24px;
            font-weight: bold;
            text-decoration: none;
            color: #fff;
        }

        .navbar-right {
            display: flex;
            align-items: center;
        }

        .btn {
            margin-left: 10px;
        }

        .logo {
            max-width: 50px;
        }
    </style>

```

```

        margin-right: 10px;
    }

    .footer {
        background-color: #007bff;
        color: #fff;
        padding: 15px 0;
        text-align: center;
        position: absolute;
        bottom: 0;
        width: 100%;
        display: flex;
        justify-content: space-between;
        align-items: center;
    }

    .social-media-icons a {
        color: #fff;
        margin-left: 10px;
        text-decoration: none;
        font-size: 18px;
    }
}
</style>
</head>
<body>

<header class="navbar">
    <section class="container-fluid">
        
        <div class="navbar-brand">
            <a href="index.php" style="text-decoration: none; color: #fff;">IITJKnowledgeNest <p></p></a>

        </div>

        <nav class="navbar-right">
            <?php
                if (isset($_SESSION[SESSION_STATUS]) && $_SESSION[SESSION_STATUS] == true) {
                    echo "Logged in as " . $_SESSION[SESSION_STUDENT_USERNAME] . "!";
                    $user_logged_in = true;
                    ?>
                    <a href="..notes-sharing-website/write.php" class="btn btn-default">Upload</a>
                    <a href="?link=1" name="link1" class="btn btn-default">Log out</a>
                    <?php
                } else {
                    echo "Not logged in";
                    ?>
                    <a href="..notes-sharing-website/login.php" class="btn btn-default">Log in</a>
                    <a href="..notes-sharing-website/register.php" class="btn btn-default">Sign up</a>
                    <?php
                }

                if (isset($_GET['link'])) {
                    $link = $_GET['link'];
                    if ($link == '1') {
                        session_destroy();
                        header('Location: index.php');
                        exit();
                    }
                }
            ?>
            <a href="index.php" class="btn btn-default">Home</a>
            <a href="mailto:m23cse018@iitj.ac.in" class="btn btn-default">Contact us</a>
            <a href="included-files/aboutus.html" class="btn btn-default">Aboutus</a>
        </nav>
    </section>
</header>

<!-- Page content goes here -->

</body>
</html>

```

| └─ scripts.php

```
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"></script>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
<script src="http://localhost:35729/livereload.js"></script>
```

| └─ SessionConstant.php

```
<?php
/**
 * Had to move to a different file since
 * it is included in the navigation bar
 * and conflicts with the other include statement
 */

const SESSION_STUDENT_ID = 'session_student_id';
const SESSION_STUDENT_USERNAME = 'session_student_username';
const SESSION_STATUS = 'session_logged_in';

?>
```

| └─ input-validators

| └─ login-validator-input.php

```
<?php
include('../included-files/connect-database.php');

$username_input = 'username';
$password_input = 'password';

if (isset($_POST[$username_input]) && isset($_POST[$password_input])) {
    $username = mysqli_real_escape_string($connection, $_POST[$username_input]);
    $password = mysqli_real_escape_string($connection, $_POST[$password_input]);
    login($connection, $username, $password);
}

function login($connection, $username, $password) {

    // declare table names
    $student_table = STUDENT_TABLE_NAME;
    $student_id = STUDENT_ID;
    $student_username = STUDENT_USERNAME;
    $student_password = STUDENT_PASSWORD;

    $query = " SELECT $student_id , $student_username, $student_password ";
    $query .= " FROM $student_table ";
    $query .= " WHERE $student_username = '$username' ";

    $result = mysqli_query($connection, $query);
    $row = mysqli_fetch_assoc($result);
    $hashed_password = $row[$student_password];

    if (password_verify($password, $hashed_password)) {
        session_start();

        include('../included-files/SessionConstant.php');

        $_SESSION[SESSION_STATUS] = true;
        $_SESSION[SESSION_STUDENT_USERNAME] = $username;
    }
}
```

```

        $_SESSION[SESSION_STUDENT_ID] = $row[$student_id];

        echo true;
    } else {
        echo false;
    }
}
?>

```

| — register-validator-input.php

```

<?php
include('../included-files/connect-database.php');

$post_username = 'username';
$post_email = 'email';
$required_message = 'Required';

if (isset($_POST[$post_username])) {
    $username = mysqli_real_escape_string($connection, $_POST[$post_username]);
    checkUsername($connection, $username);
}

if (isset($_POST[$post_email])) {
    $email = mysqli_real_escape_string($connection, $_POST[$post_email]);
    checkEmail($connection, $email);
}

function checkUsername($connection, $username) {
    $student_table = STUDENT_TABLE_NAME;
    $student_username = STUDENT_USERNAME;

    $query = " SELECT $student_username ";
    $query .= " FROM $student_table ";
    $query .= " WHERE $student_username = '$username' ";

    $result = mysqli_query($connection, $query);
    $num_rows = mysqli_num_rows($result);

    if ($num_rows < 1) {
        echo 'Available';
    } else {
        echo 'Taken';
    }
}

function checkEmail($connection, $email) {
    $student_table = STUDENT_TABLE_NAME;
    $student_email = STUDENT_EMAIL;

    $query = " SELECT $student_email ";
    $query .= " FROM $student_table ";
    $query .= " WHERE $student_email = '$email' ";

    $result = mysqli_query($connection, $query);
    $num_rows = mysqli_num_rows($result);

    if ($num_rows < 1) {
        echo 'Available';
    } else {
        echo 'Taken';
    }
}

mysqli_close($connection);
?>

```

| — search-input.php
|

```
<?php
    include('../included-files/connect-database.php');

    $subject_table = SUBJECT_TABLE_NAME;
    $subject_no = SUBJECT_NUMBER;

    $query = " SELECT $subject_no ";
    $query .= " FROM $subject_table ";

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

    $ar = [];
    $index = 0;
    while ($row = mysqli_fetch_array($result, MYSQLI_ASSOC)) {
        $ar[$index++] = $row[$subject_no];
    }

    echo json_encode($ar);
```

| — src
| | — jscript
| | | — login-validation-script.js

```
function validate() {
    var validated = false;
    fetch(function(callback) {
        validated = callback;
    });
    return validated == true;
}

function fetch(callback) {
    var username = $('#username');
    var password = $('#password');
    var login = $('#login-status');
    var submit = $('#submit-button');

    var confirmed = "login confirmed";
    var incorrect = "username or password is wrong";

    var s;

    $.ajax({
        async: false,
        type: "POST",
        url: 'input-validators/login-validator-input.php',
        data: {username: username.val(), password: password.val()},
        success: function (result) {
            if (result == true) {
                login.text(confirmed);
            } else {
                login.text(incorrect);
            }
            callback(result);
        }
    });
}
```

| | — register-validation-script.js

```
var username_input = $('#username-register');
var username_status = $('#username-status');
```



```

var firstname_input = $('#firstname-register');
var firstname_status = $('#firstname-status');
var lastname_input = $('#lastname-register');
var lastname_status = $('#lastname-status');
var email_input = $('#email-register');
var email_status = $('#email-status');
var password_input = $('#password-register');
var password_status = $('#password-status');
var repass_input = $('#password-repeat');
var repass_status = $('#repass-status');
var submit_button = $('#submit-button');

var input_check = 'input-validators/register-validator-input.php';
var required = 'Required';
var available = 'Available';
var taken = 'Taken';
var passwordLength = "Too short";
var notMatching = "not matching";

var usernameCorrect = function() {
    var valid = false;
    if (username_input.val().length < 1) {
        username_status.text(required);
        username_status.removeClass('glyphicon glyphicon-ok tick');
    } else {
        fetchUsername(function(callback) {
            valid = callback;
            if (valid) {
                username_status.addClass('glyphicon glyphicon-ok tick');
                username_status.text('');
            } else {
                username_status.removeClass('glyphicon glyphicon-ok tick');
                username_status.text(taken);
            }
        });
    }
    return valid;
};

function fetchUsername(callback) {
    $.ajax({
        async: false,
        type: "POST",
        url: input_check,
        data: {username: username_input.val()},
        success: function (result) {
            var valid = result.match(available);
            callback(valid);
        }
    });
}

var firstNameCorrect = function() {
    if (firstname_input.val().length < 1) {
        firstname_status.text(required);
        firstname_status.removeClass('glyphicon glyphicon-ok tick');
        return false;
    } else {
        firstname_status.addClass('glyphicon glyphicon-ok tick');
        firstname_status.text('');
        return true;
    }
};

var lastNameCorrect = function() {
    if (lastname_input.val().length < 1) {
        lastname_status.text(required);
        lastname_status.removeClass('glyphicon glyphicon-ok tick');
        return false;
    } else {
        lastname_status.addClass('glyphicon glyphicon-ok tick');
        lastname_status.text('');
        return true;
    }
};

var emailCorrect = function() {

```

```

var userEmail = email_input.val();
var valid = false;
if (userEmail.length < 1) {
    email_status.text(required);
    email_status.removeClass('glyphicon glyphicon-ok tick');
} else if (userEmail.indexOf('@') === -1) {
    email_status.removeClass('glyphicon glyphicon-ok tick');
    email_status.text('Not an email')
} else {
    fetchEmail(function(callback) {
        valid = callback;
        if (valid) {
            email_status.text('');
            email_status.addClass('glyphicon glyphicon-ok tick');
        } else {
            email_status.removeClass('glyphicon glyphicon-ok tick');
            email_status.text(taken);
        }
    });
}
return valid;
};

function fetchEmail(callback) {
    $.ajax({
        async: false,
        type: "POST",
        url: input_check,
        data: {email: email_input.val()},
        success: function (result) {
            var valid = result.match(available);
            callback(valid);
        }
    });
}

var passwordCorrect = function() {
    var pass = password_input.val();
    passwordsMatch();
    if (pass.length < 6) {
        password_status.text(passwordLength);
        password_status.removeClass('glyphicon glyphicon-ok tick');
        return false;
    } else {
        password_status.addClass('glyphicon glyphicon-ok tick');
        password_status.text('');
        return true;
    }
}

var passwordsMatch = function() {
    var pass = password_input.val();
    if (pass.length !== 0) {
        if (repass_input.val() === password_input.val()) {
            repass_status.addClass('glyphicon glyphicon-ok tick');
            repass_status.text('');
            return true;
        } else {
            repass_status.removeClass('glyphicon glyphicon-ok tick');
            repass_status.text(notMatching);
        }
    } else {
        repass_status.text("");
    }
    return false;
};

firstname_input.keyup(function() {
    firstNameCorrect()
});

lastname_input.keyup(function() {
    lastNameCorrect();
});

password_input.keyup(function() {
    passwordCorrect();
});

```

```

});

repass_input.keyup(function() {
    passwordsMatch();
});

username_input.keyup(function() {
    usernameCorrect();
});

email_input.keyup(function() {
    emailCorrect();
});

function validateForm() {
    return !(usernameCorrect() && firstNameCorrect() && lastNameCorrect() && emailCorrect() &&
        passwordCorrect() && passwordsMatch());
}

```

```

| | └─ search-subject.js
| |

```

```

var subjectNumbers = [];

$(function() {
    $.getJSON('input-validators/search-input.php', function(data) {
        subjectNumbers = data;
        $('#subject-number-input').autocomplete({
            source: data
        });
    });
});

function validSubject() {

    var noteTitle = $('#note-title').val();
    var noteContent = $('#note-content').val();

    var subno = $('#subject-number-input').val();
    var error = $('#error-check');
    var subnoExists = subjectNumbers.indexOf(subno) > -1;

    if (!subnoExists) {
        error.text('Subject number does not exist!');
    } else if (noteTitle === '') {
        error.text('Need a note title');
    } else if (noteContent === '') {
        error.text('Note content must not be empty');
    } else {
        error.text('');
        return true;
    }
    return false;
}

```

```

| └─ style
|   └─ css
|     └─ style.css

```

```

body{background-color:#f4f4f6}main{width:99.99%;max-width:800px;margin:0 auto}.navbar{padding:0 30px}.navbar .navbar-brand a{color:#444}.na
/*# sourceMappingURL=style.css.map */

```

```

| |
| | └─ sass
| |   └─ style.css

```

```

body {
  background-color: #f4f4f6; }

main {
  width: 99.99%;
  max-width: 800px;
  margin: 0 auto; }

.navbar {
  padding: 0 30px; }
.navbar .navbar-brand a {
  color: #444; }
.navbar .navbar-brand a:hover {
  text-decoration: none; }

/*

index.php
All css for code within <main>

*/
.index-main header h1 {
  margin-top: 50px;
  margin-bottom: 30px;
  font-size: 70px; }
.index-main form {
  width: 300px;
  margin: 40px auto; }
.index-main form input {
  width: 100%;
  height: 0 10px;
  font-size: 19px;
  padding: 0 10px; }
.index-main form button {
  margin-top: 10px;
  width: 100%;
  height: 40px; }

/*

write.php
All css for code within <main>

*/
#write-main header {
  padding-top: 20px;
  color: #777;
  margin: 0; }
#write-main textarea {
  padding: 10px;
  width: 100%;
  resize: none;
  min-height: 400px;
  height: 40px;
  font-size: 19px; }
#write-main input {
  width: 100%;
  margin-bottom: 10px;
  padding: 0 10px;
  height: 40px;
  font-size: 19px; }
#write-main button {
  display: inline-block;
  float: left;
  margin: 20px 5px; }
#write-main #error-check {
  display: inline-block;
  color: #B94A48;
  font-weight: bold;
  font-size: 22px;
  font-family: Helvetica, sans-serif;
  margin: 20px 10px; }

/*

review.php
All css for code within <main>

```

```

*/
#note-confirm .alert {
    border-width: 2px; }
#note-confirm button {
    display: block;
    margin: 20px auto; }

/*

notes.php
All css for code within <notes.php>

*/
#list-notes-main h1 {
    font-size: 20px;
    text-align: center;
    margin-bottom: 20px; }
#list-notes-main h2 {
    font-size: 18px; }
#list-notes-main .messageCenter {
    text-align: center;
    padding: 4.0em; }
#list-notes-main .messageCenter h1 {
    padding: 1.0em; }
#list-notes-main .list-group {
    margin: 10px 0; }
#list-notes-main .list-group .list-group-item .list-group-item-text {
    display: inline-block;
    width: 70%;
    overflow: hidden;
    text-overflow: ellipsis;
    white-space: nowrap; }
#list-notes-main .list-group .list-group-item .note-date {
    float: right;
    margin: 0; }

/*

view-note.php
All css for code within <view-notes.php>

*/
#view-note-main h1 {
    font-size: 30px;
    text-align: center;
    margin: 20px; }
#view-note-main #date {
    float: right;
    margin: 0.5em; }
#view-note-main .back-button {
    display: inline-block;
    width: 70%;
    margin: 0.5em; }
#view-note-main .content {
    text-align: left;
    white-space: pre-wrap; }

/*

register.php
All css for code within <main>

*/
.register-main {
    width: 500px; }
.register-main header {
    padding-top: 20px;
    width: 500px;
    color: #777;
    margin: 0 auto; }
.register-main input {
    width: 75%;
    margin-bottom: 10px;
    padding: 0 10px;
    height: 40px;
    font-size: 19px; }
.register-main span {

```

```

        color: #B94A48;
        font-family: Helvetica, sans-serif;
        font-weight: bold; }
.register-main .tick {
    font-family: 'Glyphicons Halflings';
    color: limegreen;
    font-size: x-large; }

/*

login.php
All css for code within <main>

*/

.login-main {
    width: 500px; }
.login-main header {
    padding-top: 20px;
    width: 500px;
    color: #777;
    margin: 0 auto; }
.login-main input {
    width: 100%;
    margin-bottom: 10px;
    padding: 0 10px;
    height: 40px;
    font-size: 19px; }
.login-main span {
    color: #B94A48;
    font-family: Helvetica, sans-serif;
    font-weight: bold; }

/*

register-confirm-main.php

*/
#register-confirm-main {
    margin-top: 100px; }
#register-confirm-main h1 {
    font-size: 50px; }
#register-confirm-main .message {
    padding: 15px 0px; }
#register-confirm-main .return_btn {
    padding: 15px 0px; }

```

└─ style.sass

```

// standard values for main-content centering
$standard-width: 500px;
$centre-margin: 0 auto;

// standard values for textfields
$input-height: 40px;
$input-fontsize: 19px;
$input-padding: 0 10px;

body{
    background-color: #f4f4f6;
}

main{
    width: 99.99%;
    max-width: 800px;
    margin: $centre-margin;
}

// NAVIGATION BAR FOR THE WHOLE WEBSITE
.navbar {
    padding: 0 30px;
    .navbar-brand {
        a {
            color: #444;
            &:hover {

```

```

        text-decoration: none;
    }
}
}
}

```

confirm-register.php

```

<?php include(__DIR__.'/included-files/connect-database.php'); ?>

<?php
    $first_name = $_POST[POST_FIRST_NAME];
    $last_name = $_POST[POST_LAST_NAME];
    $username = $_POST[POST_USERNAME];
    $password = $_POST[POST_PASSWORD];
    $email = $_POST[POST_EMAIL];
?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <title>Document</title>
        <?php include(HEADER_SETUP); ?>
    </head>
    <body>
        <?php include(NAVIGATION_BAR); ?>

        <main id="register-confirm-main" class="text-center">

            <?php
                $result = "";

                // declare table column names
                $student_table = STUDENT_TABLE_NAME;
                $student_username = STUDENT_USERNAME;
                $student_firstname = STUDENT_FIRST_NAME;
                $student_lastname = STUDENT_LAST_NAME;
                $student_password = STUDENT_PASSWORD;
                $student_email = STUDENT_EMAIL;

                // encrypt password
                $hashed_password = password_hash($password, PASSWORD_BCRYPT);

                $query = "INSERT INTO $student_table ($student_username, $student_firstname,$student_lastname,$student_password, $student_email)";
                $query .= "VALUES ('$username', '$first_name', '$last_name', '$hashed_password', '$email')";

                $result = mysqli_query($connection, $query);
                if (!$result) {
                    $result = "Something went wrong";
                } else {
                    $result = "Success!";
                }
            ?>

            <header>
                <h1 class = "text-success"><?php echo $result ?></h1>
            </header>

            <section class="message">
                <p> You have been successfully registered into the system.</p>
                <p> You can now start writing notes!</p>
            </section>

            <div class="return_btn">
                <a href="index.php" class = "btn btn-danger">Return to main page</a>
            </div>

            <?php include(Scripts); ?>
        </main>
    </body>
</html>

<?php mysqli_close($connection) ?>

```

— download.php

```
<?php
include(__DIR__.'./included-files/connect-database.php');

$searchResult = $_GET['id'];

$query = "SELECT * ";
$query .= "FROM note ";
$query .= "WHERE note_id = " . $searchResult . " ";

$result = mysqli_query($connection, $query);
if (!$result){
    die("Database Query failed");
}

$row = mysqli_fetch_assoc($result);
$size = $row['size'];
$type = $row['type'];
$name = $row['name'];
$filepath = $row['filepath'];
header("Content-length: $size");
header("Content-type: $type");
header("Content-Disposition: inline; filename=$name");
header("Content-Transfer-Encoding: binary");
header('Expires: 0');
header('Cache-Control: no-cache, must-revalidate');
header('Pragma: no-cache');
ob_clean();
flush();

readfile($filepath);
```

— gruntfile.js

```
module.exports = function(grunt) {

    grunt.initConfig({

        sass: {
            dist: {
                options: {style:'compressed'},
                files: {
                    'src/style/css/style.css': 'src/style/sass/*.scss',
                }
            },
        },

        watch: {
            options: {livereload: true},
            php: {
                files:
                    ['**/*.php']
            },

            sass: {
                files:
                    ['src/style/sass/*.scss'],
                tasks: ['sass'],
                livereload: {
                    options: { livereload: true },
                    files: ['dest/**/*.css'],
                },
            },
        },

    });

    grunt.loadNpmTasks("grunt-contrib-sass");
```



```

    grunt.loadNpmTasks("grunt-contrib-watch");

};

```

└─ index.php

```

<?php include('included-files/Constant.php'); ?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>IITJKnowledgeNest - A Place for IIT Jodhpur Students to Share Notes</title>

    <?php include(HEADER_SETUP); ?>

    <link rel="stylesheet" href="//code.jquery.com/ui/1.11.4/themes/smoothness/jquery-ui.css">

    <style>
        :root {
            --primary-color: #003366; /* IIT Jodhpur Blue */
            --secondary-color: #e74c3c; /* Red */
            --background-gradient: linear-gradient(to right, #3498db, #e74c3c); /* Gradient Background */
        }

        body {
            font-family: 'Arial', sans-serif;
            margin: 0;
            padding: 0;
            background: var(--background-gradient);
            color: #fff;
        }

        header {
            background-color: var(--primary-color);
            color: #fff;
            padding: 20px 0;
        }

        header img {
            max-width: 100px;
        }

        h1 {
            font-size: 2.5em;
            margin-bottom: 10px;
        }

        p {
            font-size: 1.2em;
            margin-bottom: 20px;
        }

        main {
            text-align: center;
            padding: 20px;
        }

        form {
            margin-top: 20px;
        }

        input {
            padding: 10px;
            width: 60%;
            font-size: 1em;
            border: 1px solid #ccc;
            border-radius: 5px;
        }

        button {
            padding: 10px 20px;

```

```

        font-size: 1em;
        background-color: var(--secondary-color);
        color: #fff;
        border: none;
        border-radius: 5px;
        cursor: pointer;
    }
</style>
</head>
<body>

    <?php include(NAVIGATION_BAR); ?>

    <main class="index-main">
        <form action="notes.php" method="get">
            <input id="subject-number-input" class="form-control" name="search" type="text" placeholder="Subject Number or Title">
            <button type="submit" class="btn btn-danger">Find Notes</button>
        </form>
    </main>

    <?php include(Scripts); ?>
    <script src="//code.jquery.com/ui/1.11.4/jquery-ui.js"></script>
    <script src="src/js/script/search-subject.js" ></script>

</div>
</body>
</html>

```

login.php

```

<?php include('included-files/Constant.php'); ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Login</title>
    <?php include(HEADER_SETUP); ?>
</head>
<body>
    <?php include(NAVIGATION_BAR); ?>
    <?php include(Scripts); ?>

    <main class="login-main">
        <header>
            <h1>Log in</h1>
        </header>

        <form method="post" action="index.php" class="register-form" onsubmit="return validate()">
            <input id="username" class="form-control" name=<?php echo POST_USERNAME ?> placeholder="Username">
            <input id="password" type="password" class="form-control" name=<?php echo POST_PASSWORD ?> placeholder="Password">
            <button type="submit" class="btn btn-danger">Log in</button>
            <span id="login-status"></span>
        </form>

    </main>

    <script type="text/javascript" src="src/js/script/login-validation-script.js"></script>
</body>
</html>

```

notes.php

```

<?php include(__DIR__.'included-files/connect-database.php'); ?>

<?php
    $searchResult = isset($_GET["search"]) ? $_GET["search"] : '';
    if (isset($_GET["page"])) { $page = $_GET["page"]; } else { $page=1; };
    $start_from = ($page-1) * 15;
    $query = " SELECT * ";

```

```

$query .= " FROM note ";
$query .= " WHERE title LIKE '%" . $searchResult . "%'";
$query .= " LIMIT " . $start_from . ", 15;";

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

if (!$result) {
    die(mysqli_error($connection));
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
    <?php include(HEADER_SETUP); ?>
</head>
<body>
    <?php include(NAVIGATION_BAR); ?>
    <?php $_SESSION["searchResult"] = $searchResult?>

    <main id = "list-notes-main">

        <section class="list-group">

            <h1>Search results for <?php echo $searchResult ?></h1>

            <?php
            if (mysqli_num_rows($result) == 0) {
                echo "<div class = 'messageCenter'>";
                echo "<h1>No results Found</h1>";
                echo "<a href='../notes-sharing-website/index.php' class='btn btn-danger' >< Back to search</a>";
                echo "</div>";
            }

            while ($row = mysqli_fetch_assoc($result)) {
                ?>

                <a href = "view-note.php?note_id=<?php echo $row['note_id']; ?>" class="list-group-item">
                    <h2 class = 'list-group-item-heading'> <?php echo $row["title"] ?> </h2>
                    <p class = 'list-group-item-text'> <?php echo $row["notes"] ?> </p>
                    <span class = 'note-date'> <?php echo $row["DATE"] ?> </span>
                </a>

                <?php
            }
            ?>
        </section>

        <?php
        $sql = " SELECT COUNT(note_id) FROM note ";
        $sql .= " WHERE title LIKE '%" . $searchResult . "%'"; // Fix here

        $rs_result = mysqli_query($connection, $sql);

        if (!$rs_result) {
            die(mysqli_error($connection));
        }
        $row = mysqli_fetch_row($rs_result);
        $total_records = $row[0];
        $total_pages = ceil($total_records / 15);

        $prev_page = $page - 1;
        $next_page = $page + 1;
        ?>

        <div class = "text-center">
            <ul class = "pagination">
                <?php
                if($page != 1)
                {
                    echo "<li><a href='notes.php?search=" . $searchResult . "&page=" . $prev_page . "'>
                        <span class = 'glyphicon glyphicon-chevron-left'></span> </a></li>";
                }

                for ($i=1; $i<=$total_pages; $i++) {
                    if($total_pages == 1){

```

```

        break;
    }
    else if($i == $page){
        echo "<li class = 'active'><a href = '#'" . $i . "</a></li>";
    }
    else{
        echo "<li><a href='notes.php?search=" . $searchResult . "&page=" . $i . "'>" . $i . "</a></li>";
    }
}

if($page != $total_pages && $total_pages != 0) {
    echo "<li><a href='notes.php?search=" . $searchResult . "&page=" . $next_page . "'>
        <span class = 'glyphicon glyphicon-chevron-right'></span> </a></li>";
}

?>
</ul>
</div>

<?php mysqli_free_result($result); ?>
</main>

<?php include(Scripts); ?>
</body>
</html>

<?php mysqli_close($connection) ?>

```

notesQueries.sql

```

# create database and user
CREATE DATABASE notes;
CREATE USER 'gabriel'@'localhost' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON *.* TO 'gabriel'@'localhost';

# create tables
CREATE TABLE subject (
    subject_id INT(11) NOT NULL AUTO_INCREMENT,
    subject_no VARCHAR(30) NOT NULL,
    PRIMARY KEY (subject_id)
);

CREATE TABLE note (
    note_id INT(11) NOT NULL AUTO_INCREMENT,
    title VARCHAR(40) NOT NULL,
    date DATE NOT NULL,
    notes TEXT NOT NULL,
    type VARCHAR(30),
    size INT(11),
    name VARCHAR(30),
    filepath VARCHAR(30),
    student_id INT(11),
    subject_id INT(11),
    PRIMARY KEY (note_id),
    CONSTRAINT fk_studentNote FOREIGN KEY (student_id) REFERENCES student(student_id),
    CONSTRAINT fk_subjectNote FOREIGN KEY (subject_id) REFERENCES subject(subject_id)
);

CREATE TABLE student (
    student_id INT(11) NOT NULL AUTO_INCREMENT,
    first_name VARCHAR(30) NOT NULL,
    last_name VARCHAR(30) NOT NULL,
    username VARCHAR(15) NOT NULL,
    password VARCHAR(255) NOT NULL,
    email VARCHAR(50) NOT NULL,
    PRIMARY KEY (student_id)
);

/*
    creates the constant subject numbers for the website
*/
INSERT INTO subject (subject_no)
VALUES

```

```

        (32998),
        (2998),
        (32013),
        (89204),
        (32543),
        (31241),
        (22708),
        (22605)
    ;

```

register.php

```

<?php include('included-files/Constant.php'); ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Register</title>
    <?php include(HEADER_SETUP); ?>
</head>
<body>
    <?php include(NAVIGATION_BAR); ?>
    <?php include(SRIPTS) ?>

    <main class="register-main">
        <header>
            <h1>Register</h1>
        </header>

        <form method="post" action="confirm-register.php" class="register-form" onsubmit="return validateForm()">
            <input id="username-register" name="<?php echo POST_USERNAME ?>" placeholder="Username">
            <span id="username-status"></span>
            <input id="firstname-register" name="<?php echo POST_FIRST_NAME ?>" placeholder="First Name">
            <span id="firstname-status"></span>
            <input id="lastname-register" name="<?php echo POST_LAST_NAME ?>" placeholder="Last Name">
            <span id="lastname-status"></span>
            <input id="email-register" name="<?php echo POST_EMAIL ?>" placeholder="Email">
            <span id="email-status"></span>
            <input id="password-register" type="password" name="<?php echo POST_PASSWORD ?>" placeholder="Password">
            <span id="password-status"></span>
            <input id="password-repeat" type="password" name="password_repeat" placeholder="Repeat Password">
            <span id="repass-status"></span>
            <button id="submit-button" type="submit" class="btn btn-danger">Create Account</button>
            <span id="validation-status"></span>
        </form>

    </main>

    <script type="text/javascript" src="src/js/script/register-validation-script.js"></script>

</body>
</html>

```

review.php

```

<?php include(__DIR__.'./included-files/connect-database.php'); ?>

<?php
    $post_subject_number = $_POST[POST_NOTE_NUMBER];
    $title = $_POST[POST_NOTE_TITLE];
    $content = $_POST[POST_NOTE_CONTENT];
    ?>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Confirmation</title>
    <?php include(HEADER_SETUP); ?>
</head>
<body>
    <?php include(NAVIGATION_BAR); ?>

```

```

<main id = "note-confirm">

    <div class="alert alert-success">
    <span class="glyphicon glyphicon-ok"></span>
    <strong> The note has been successfully submitted!</strong>
    </div>

    <p><b>Title: </b><?php echo $title ?> </p>
    <p><b>Subject Number: </b><?php echo $post_subject_number; ?></p>

    <?php $current_date = date("Y-m-d H:i:s"); ?>
    <p><b>Time: </b> <?php echo $current_date ?> </p>

    <p><?php echo $content ?></p>

    <?php

    // declare column names
    $note_table = NOTE_TABLE_NAME;
    $note_title = NOTE_TITLE;
    $note_date = NOTE_DATE;
    $note_content = NOTE_CONTENT;
    $student_id = STUDENT_ID;
    $subject_id = SUBJECT_ID;
    $subject_number = SUBJECT_NUMBER;
    $subject_table = SUBJECT_TABLE_NAME;

    $fileName = '';
    $fileType = 0;
    $fileSize = 0;
    $filePath = "";

    $session_student_id = $_SESSION[SESSION_STUDENT_ID];

    if ($_FILES['fileToUpload']['size'] > 0) {

        $target_file = "uploads/" . basename($_FILES["fileToUpload"]["name"]);
        $uploadOk = 1;
        $fileExtension = pathinfo($target_file, PATHINFO_EXTENSION);

        $finfo = finfo_open(FILEINFO_MIME_TYPE);
        $mime = finfo_file($finfo, $_FILES['fileToUpload']['tmp_name']);
        $uploadOk = 0;
        switch ($mime) {
            case 'application/pdf':
            case 'application/msword': // .doc
            case 'application/vnd.ms-powerpoint': // .ppt
            case 'application/vnd.ms-excel': // .xls
            case 'application/vnd.openxmlformats-officedocument.wordprocessingml.document': // .docx
            case 'application/vnd.openxmlformats-officedocument.presentationml.presentation': // .pptx
            case 'application/vnd.openxmlformats-officedocument.spreadsheetml.sheet': // .xlsx
                $uploadOk = 1;
                break;
            case 'inode/x-empty':
                echo "The file is empty<br>";
                $uploadOk = 0;
                break;
            default:
                echo "The file is not a valid file type <br>";
                echo "Only .pdf, .doc, .docx, .ppt, .pptx, .xls, .xlsx files are accepted. <br>";
        }

        while ($uploadOk == 1) {
            $filePath = "uploads/" . uniqid() . '.' . $fileExtension;
            if (!file_exists($filePath))
                break;
        }

        if ($uploadOk == 0) {
            echo "Sorry, your file was not uploaded.";
        } else {
            if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $filePath)) {
                echo "The file " . basename($_FILES["fileToUpload"]["name"]) . " has been uploaded.";
            } else {
                echo "Sorry, there was an error uploading your file.";
            }
        }
    }

```

```

    }
}

$fileName = $_FILES['fileToUpload']['name'];
$fileType = $_FILES['fileToUpload']['type'];
$fileSize = $_FILES['fileToUpload']['size'];

}

$subno_query = " SELECT $subject_id ";
$subno_query .= " FROM $subject_table ";
$subno_query .= " WHERE $subject_number = '$post_subject_number'; ";

$subid = mysqli_fetch_assoc(mysqli_query($connection, $subno_query))[$subject_id];

$query = "INSERT INTO $note_table ($note_title, $note_date, $note_content, $student_id, $subject_id, name, type, size, filepath)
VALUES ('$title', '$current_date', '$content', $session_student_id, $subid, '$fileName', '$fileType', '$fileSize', '$filePath')";

$result = mysqli_query($connection, $query);
if (!$result) {
    die("Database Query failed");
}

?>

<form action = "index.php">
<button type = "submit" class = "btn btn-danger btn-md">
    <span class = "glyphicon glyphicon-home"></span> Return to home
</button>
</form>

</main>

<?php include(Scripts); ?>
</body>
</html>

<?php mysqli_close($connection) ?>

```