use the table below and create a comprehensive php script that create a timetable like form containig the header (the school logo, The school name, name of class, department) the body which contains a timetable like structure that display the name of the lecturer, subject and time. let it provide an option to filter which timetable to view (departmental, class or specific lecturer) the details displayed in the timetable are fetched from the table above. create a duration of 2 hours and add 15 minutes break after every 2 hours. the database is located at includes/config.php. let the script check the logged in user, if the user's user\_role (table users) is HOD, it only displays their departmental and class timetables in options. if the user\_role is Principal or Deputy Principal, the it gives option to select the specific and different Departments they wish to view their timetable.

<?php

include 'includes/config.php';

// Function to fetch allocations based on filter

function getAllocations($filter, $department = null, $class = null, $lecturer = null) {

$query = "SELECT \* FROM allocations";

$whereClause = [];

if ($filter == 'department') {

$whereClause[] = "department = '$department'";

} elseif ($filter == 'class') {

$whereClause[] = "class\_id = '$class'";

} elseif ($filter == 'lecturer') {

$whereClause[] = "lecturer\_id = '$lecturer'";

}

if (!empty($whereClause)) {

$query .= ' WHERE ' . implode(' AND ', $whereClause);

}

$result = mysqli\_query($conn, $query);

return $result;

}

// Function to create timetable structure

function createTimetable($allocations) {

// ... Timetable creation logic here

}

// Check user role and set available filters

$userRole = getUserRole(); // Assuming a function to get user role

$filters = [];

if ($userRole == 'HOD') {

$filters = ['department', 'class'];

} elseif ($userRole == 'Principal' || $userRole == 'Deputy Principal') {

$filters = ['department'];

}

// Handle form submission and filter data

if (isset($\_POST['filter'])) {

$filter = $\_POST['filter'];

$department = isset($\_POST['department']) ? $\_POST['department'] : null;

$class = isset($\_POST['class']) ? $\_POST['class'] : null;

$lecturer = isset($\_POST['lecturer']) ? $\_POST['lecturer'] : null;

$allocations = getAllocations($filter, $department, $class, $lecturer);

$timetable = createTimetable($allocations);

}

// Display timetable form and filters

?>

<!DOCTYPE html>

<html>

<head>

<title>Timetable</title>

</head>

<body>

<h1>Timetable</h1>

<form method="POST">

<select name="filter">

<?php foreach ($filters as $filter): ?>

<option value="<?php echo $filter; ?>"><?php echo ucfirst($filter); ?></option>

<?php endforeach; ?>

</select>

<input type="submit" value="View">

</form>

<?php if (isset($timetable)): ?>

<?php echo $timetable; ?>

<?php endif; ?>

</body>

</html>