



STIW3044: Web Engineering
Semester A212
School of Computing, CAS, UUM

FRONT COVER

Lab 3

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Acknowledgment

I hereby acknowledge that the following works are from my effort in submitting this document. If found otherwise, severe action such as marks deduction or removal from the assignment can be taken against me.

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STIW3044: Web Engineering

Semester A212

School of Computing, CAS, UUM

Lab 3

Given date: 19/6/2022

Submission date: 24/6/2022

15 Marks

Instruction

This assignment is a continuation of your midterm assignment **MY Tutor** app.

Answer the following questions. Don't show the entire code. Just select a segment of the codes responsible for the required questions. Make sure to retain the code format from VSC when you paste it into the Word document. Don't screenshot your code!.

Based on the tasks above answer the following questions

1. Implement the subjects/courses search function from your subject/courses list page. Add more subjects/course data to your database.
 - a. Div section for the search function. (HTML code)

(3 Marks)

```
<div style="display:flex; flex-wrap:wrap;">
  <h1>Courses</h1>
  <button class="btn btn-primary" style="height: 38px; width:50px;
align-self:center; margin-left:20px;" type="button" data-bs-toggle="collapse"
data-bs-target="#searchDiv" aria-expanded="false" aria-
controls="collapseExample">
  <i class="fa fa-search" style="color: white;" aria-
hidden="true"></i>
</button>
</div>

<div class="mx-4 collapse" style="max-width: 500px;" id="searchDiv">
  <form class="form w-auto my-auto" action="course.php" Method="GET">
    <input class="form-control mr-sm-2" type="search"
placeholder="Search by Course Name" name="search_query">

    <div class=" d-md-flex w-auto my-2">
```

```

        <select class="form-select" name="order">
            <option selected value="">Order by</option>
            <option value="subject_name">Name</option>
            <option value="subject_rating">Rating</option>
            <option value="subject_price">Price</option>
            <option value="subject_sessions">Session</option>
        </select>

        <input type="radio" class="btn-check" name="from" id="option1"
autocomplete="off" value="asc" checked>
        <label class="form-control btn-outline-primary btn" style="height:
38px; margin:2px; max-width:110px;" for="option1">Ascending</label>

        <input type="radio" class="btn-check" name="from" id="option2"
autocomplete="off" value="desc">
        <label class="form-control btn-outline-primary btn" style="height:
38px; margin:2px; max-width:110px;" for="option2">Descending</label>
    </div>

    <button class="btn form-control btn-primary my-sm-0 my-2"
style="height: 38px; " type="submit">Search</button>
</form>
<br>
</div>

```

b. Backend code section handling the search function (PHP section)

(3 Marks)

```

$limit = 10;
$page = (isset($_GET['page']) && is_numeric($_GET['page'])) ? $_GET['page'] :
1;
$paginationStart = ($page - 1) * $limit;

$searchQuery = "";
$fromQuery = "";
$orderQuery = "";

if (isset($_GET['order'])) {
    if ($_GET['order'] != '') {
        $orderGet = $_GET['order'];
        $orderQuery = "ORDER BY $orderGet";
        if (isset($_GET['from'])) {
            if ($_GET['from'] != '') {
                $fromQuery = $_GET['from'];
            }
        }
    }
}

```

```

}

if (isset($_GET['search_query'])) {
    if ($_GET['search_query'] != '') {
        $searchGet = $_GET['search_query'];
        $searchQuery = "WHERE subject_name LIKE '%$searchGet%'";
    }
}

$sqlSubject = "SELECT * FROM tbl_subjects $searchQuery $orderByQuery $fromQuery
LIMIT $paginationStart, $limit";
$stmt = $conn->prepare($sqlSubject);
$stmt->execute();
$result = $stmt->get_result();

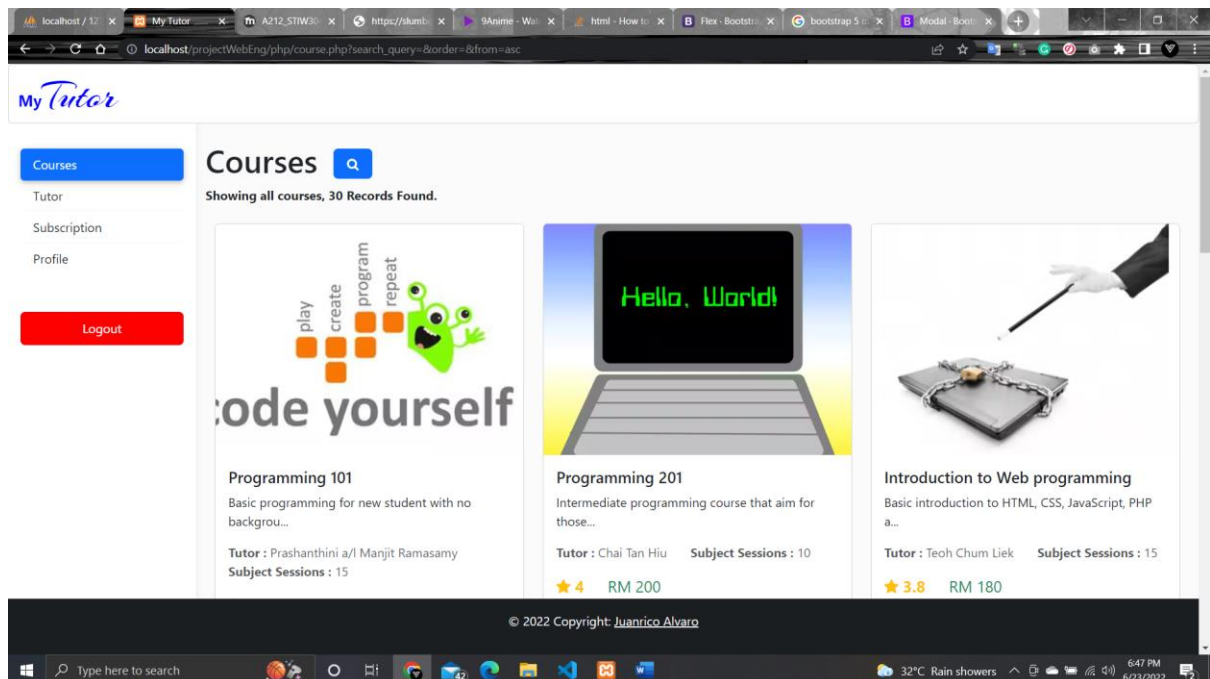
$sql = $conn->query("SELECT count(subject_id) AS id FROM tbl_subjects
$searchQuery")->fetch_assoc();
$allRecrds = $sql['id'];
$totalrows = $result->num_rows;
$totalPage = ceil($allRecrds / $limit);

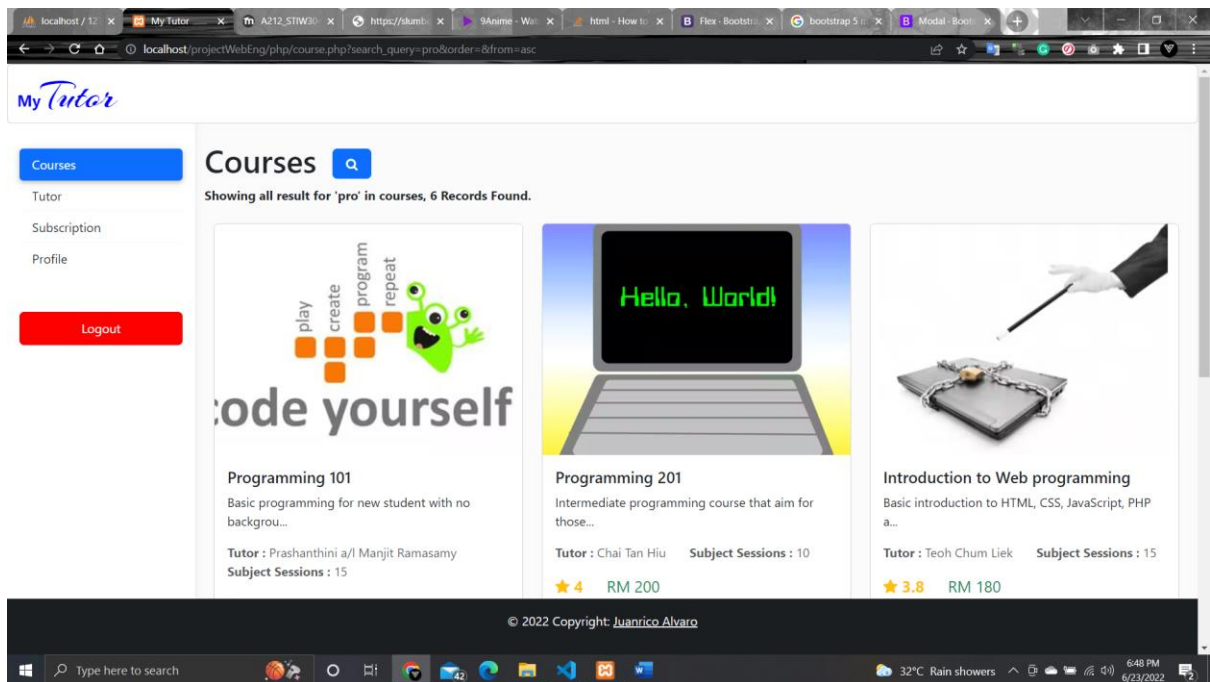
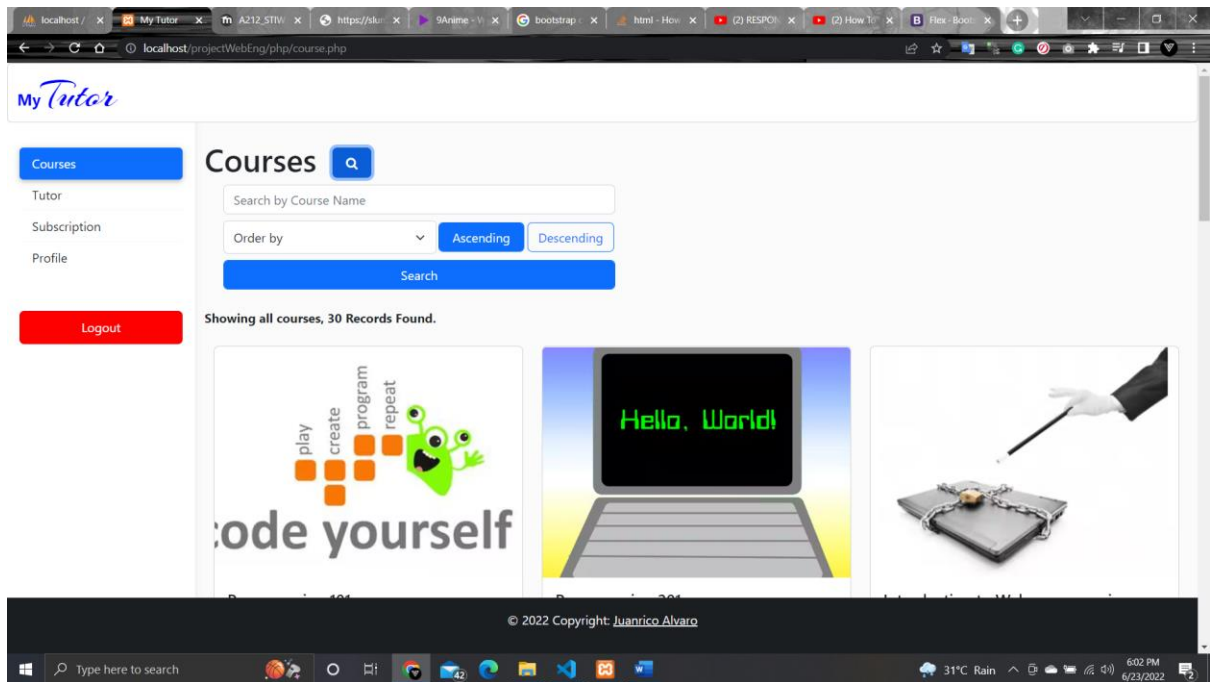
$prev = $page - 1;
$next = $page + 1;

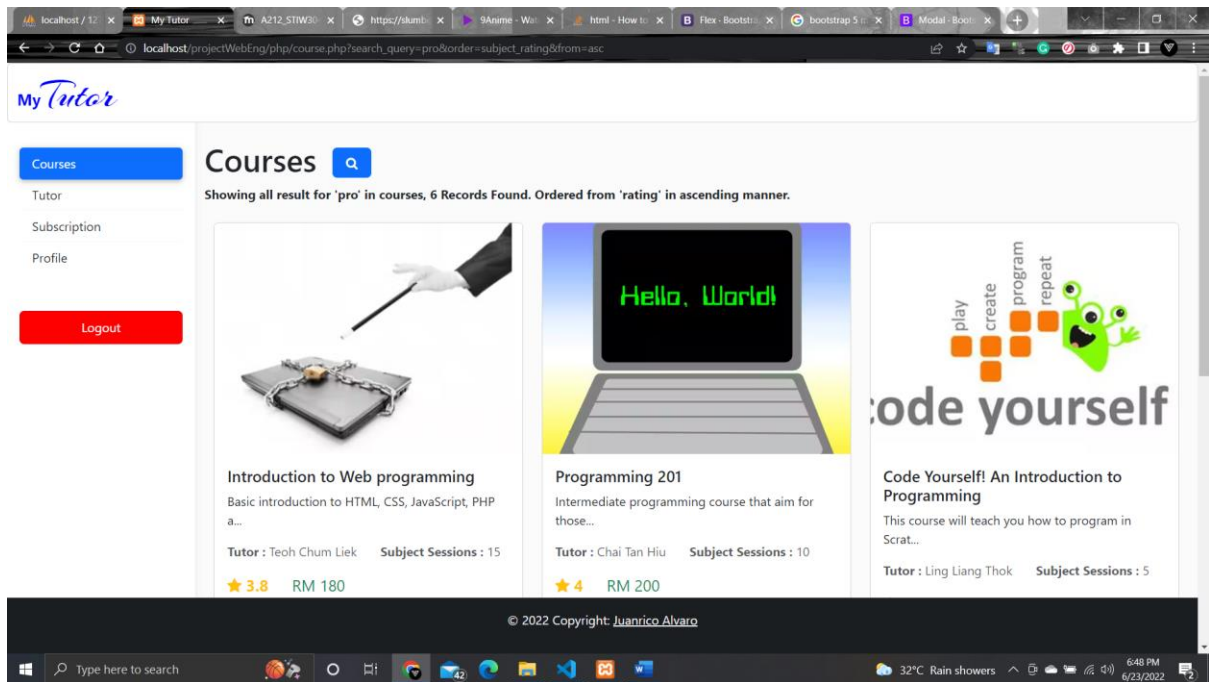
```

c. Screenshots

(1 Marks)







2. Implement the get subject details from the subject list page. The page should display detail for the selected subject.

- a. Backend code section handling the loading of the selected subject (PHP section)

(3 Marks)

```
$sqlSubject = "SELECT * FROM tbl_subjects $searchQuery $orderQuery $fromQuery
LIMIT $paginationStart, $limit";
$stmt = $conn->prepare($sqlSubject);
$stmt->execute();
$result = $stmt->get_result();

$sql = $conn->query("SELECT count(subject_id) AS id FROM tbl_subjects
$searchQuery")->fetch_assoc();
$allRecrods = $sql['id'];
$totalrows = $result->num_rows;
$totalPage = ceil($allRecrods / $limit);

$prev = $page - 1;
$next = $page + 1;
```

```
while ($row = $result->fetch_assoc()) {
    $currCourseId = $row['subject_id'];
    $sqlTutorCourses = "SELECT * FROM tbl_tutors AS tt , tbl_subjects
AS ts WHERE tt.tutor_id = ts.tutor_id AND ts.subject_id = $currCourseId";
```

```

$stmt2 = $conn->prepare($sqlTutorCourses);
$stmt2->execute();
$result2 = $stmt2->get_result();
$tutorName = "";

```

b. Div section for the subject details function. (HTML code)

(3 Marks)

```

while ($row = $result->fetch_assoc()) {
    $currCourseId = $row['subject_id'];
    $sqlTutorCourses = "SELECT * FROM tbl_tutors AS tt , tbl_subjects
AS ts WHERE tt.tutor_id = ts.tutor_id AND ts.subject_id = $currCourseId";
    $stmt2 = $conn->prepare($sqlTutorCourses);
    $stmt2->execute();
    $result2 = $stmt2->get_result();
    $tutorName = "";
    ?>
    <div class="col-12 col-md-6 col-lg-4">
        <div class="card h-100">
            <div class="align-self-center justify-content-center embed-
responsive embed-responsive-4by3">
                
            </div>
            <div class="card-body">
                <h5 class="card-title">
                    <?php echo $row['subject_name']; ?>
                </h5>
                <p class="card-text">
                    <?php
                    $out = strlen($row['subject_description']) > 50 ?
substr($row['subject_description'], 0, 50) . "..." :
$row['subject_description'];
                    echo $out;
                <?>
            </p>
            <div style="display:flex; width:100%; flex-wrap: wrap;">
                <?php
                if ($result2->num_rows > 0) {
                    while ($row2 = $result2->fetch_assoc()) {

                        ?>
                        <div class="text-muted" style="margin-
right:30px;"><b>Tutor :</b>
                            <?php $tutorName = $row2['tutor_name'];
                            echo $row2['tutor_name']; ?>
                        </div>

```

```

        <?php
        }
    } else {
        echo "<b>NO TUTOR AVAILABILE</b>";
    }
    ?>
    <p class="text-muted"><b>Subject Sessions :</b>
        <?php echo $row['subject_sessions']; ?>
    </p>
</div>
<div style="display:flex; width:100%; flex-wrap: wrap;">

        <b class="card-text text-warning" style="font-size:
20px;margin-right:30px;"><span class="fa fa-star checked"></span>
        <?php echo $row['subject_rating']; ?>
        </b>
        <br>
        <p class="card-text text-success" style="font-size:
20px;">RM
        <?php echo $row['subject_price']; ?>
        </p>
    </div>
    <a href="" class="stretched-link" data-bs-toggle="modal"
data-bs-target="#DetailModal<?= $row['subject_id']; ?>"></a>
    </div>
</div>
</div>
    <div class="modal fade" id="DetailModal<?= $row['subject_id']; ?>"
tabindex="-10" aria-labelledby="DetailCourseLabel" aria-hidden="true">
    <div class="modal-dialog modal-lg modal-dialog-centered modal-
dialog-scrollable">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="DetailCourseLabel">Course
Detail</h5>
                <button type="button" class="btn-close" data-bs-
dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <h3><?php echo $row['subject_name']; ?></h3>
                <p><?php echo $row['subject_description']; ?></p>

                <div class="my-1" style="display:flex; width:100%; flex-
wrap: wrap;">
                    <div style="font-size: 20px;margin-right:30px;">
                        <b>Tutor : </b>
                        <span><?php echo $tutorName ?></span>

```



```

        </div>
        <br>
        <div style="font-size: 20px;">
            <b>Session : </b>
            <span><?php echo $row['subject_sessions']; ?></span>
        </div>
    </div>

    <div class="my-1" style="display:flex; width:100%; flex-
wrap: wrap;">

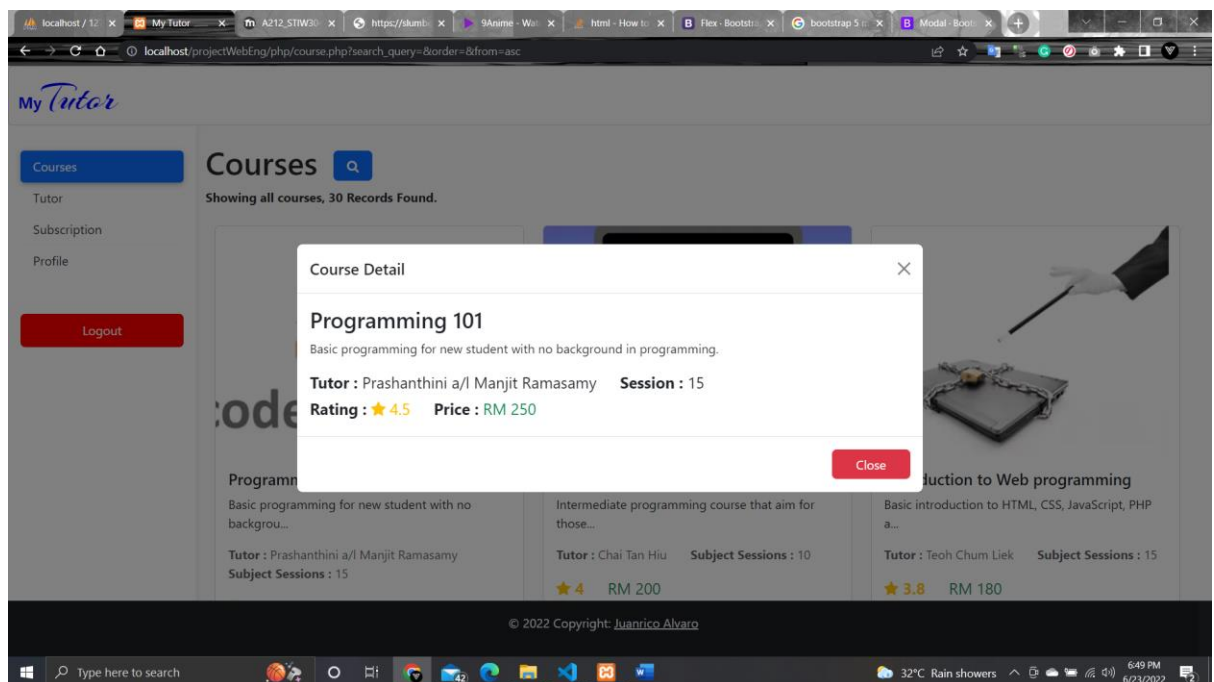
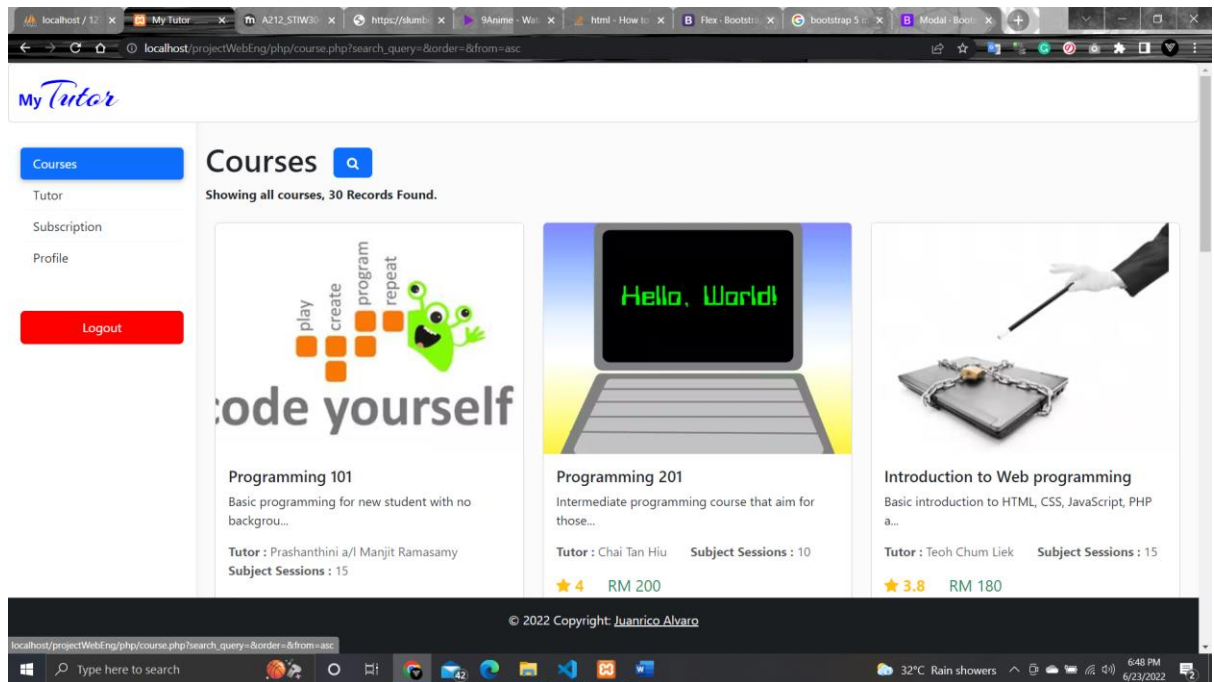
        <div style="font-size: 20px; margin-right:30px;">
            <b>Rating : </b>
            <span class="text-warning"> <span class="fa fa-star
checked"></span>
                <?php echo $row['subject_rating']; ?>
            </span>
        </div>
        <br>
        <div style="font-size: 20px;">
            <b>Price : </b>
            <span class="text-success"> RM
                <?php echo $row['subject_price']; ?>
            </span>
        </div>
    </div>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-danger"
style="height: 38px; width: 100px;" data-bs-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>

<?php
}
?>

```

c. Screenshots

(1 Marks)



3. Create and publish a YouTube presentation to demonstrate both questions 1 and 2.

(1 Marks)

<https://youtu.be/kA-g0ajvE48>

Submission

- This document submit to the learning system when the link is open for submission.
- Upload your project to your GitHub Repository (provide the link on the front page).