

National University of Computer and Emerging Sciences, Lahore Campus



Course Name:	Web Engineering SE3003	Section:	ALL
Program:	BS (Software Engineering)	Semester:	Spring 2023
Duration:	1 Hour	Total Marks:	30
Evaluation Type:	Mid 1 Exam	Weight:	15%
Name:		Roll Number:	20L-1385

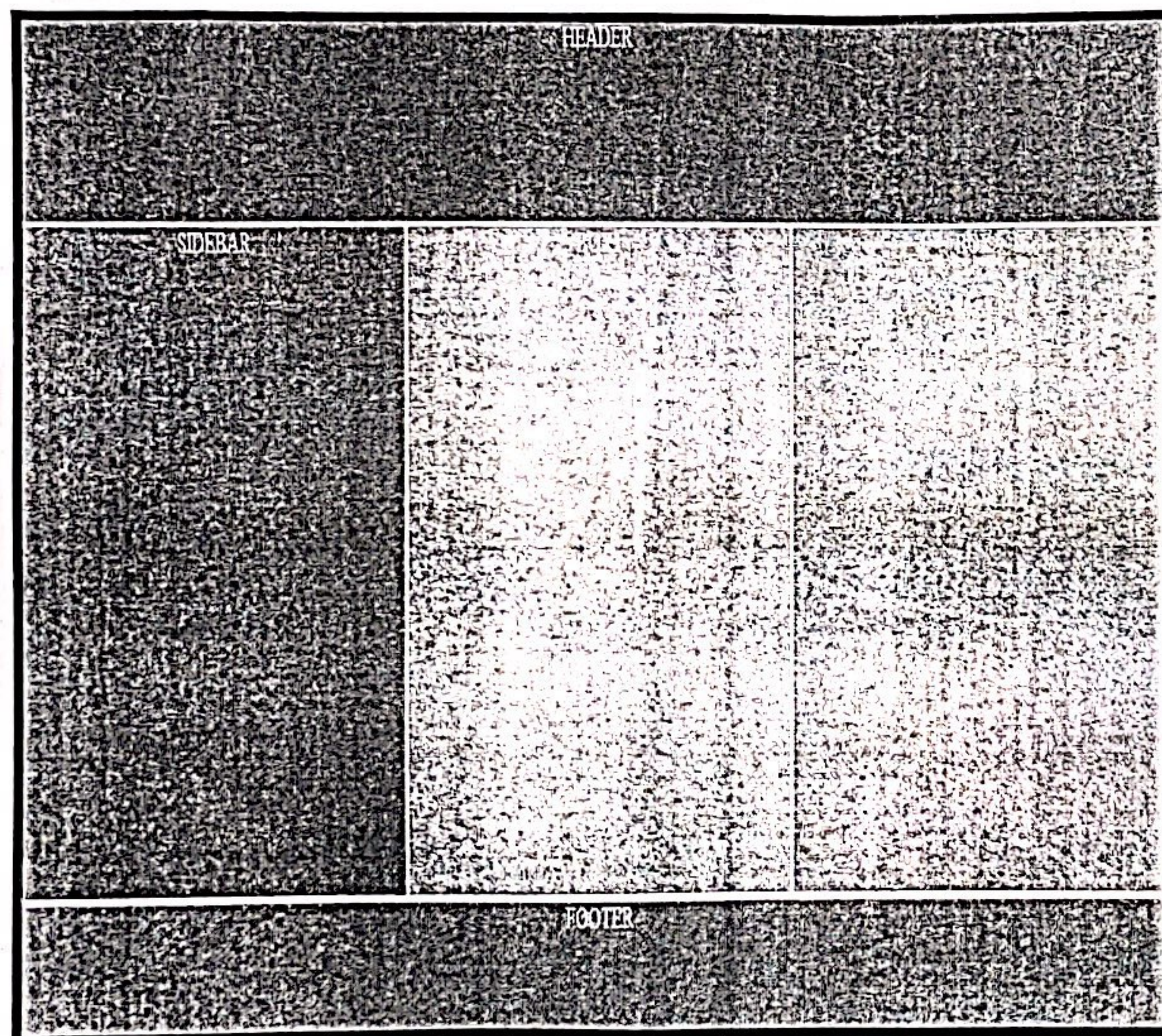
Important Note:

- The quality of the code will affect the marks.
- Students will receive **ZERO** marks if the answers are plagiarized.
- Use of mobile phones, internet, and, **ANY** type of smart devices during the exam is strictly prohibited.
- This is an open note exam.
- Discussion with other students is not allowed.
- Exchange of notes and stationery with other students are not allowed.
- If any of the above rules is violated by the student. The invigilator has the right to file DC case against that student and the invigilator also has the right to take your exam away and ask you to leave the exam hall.

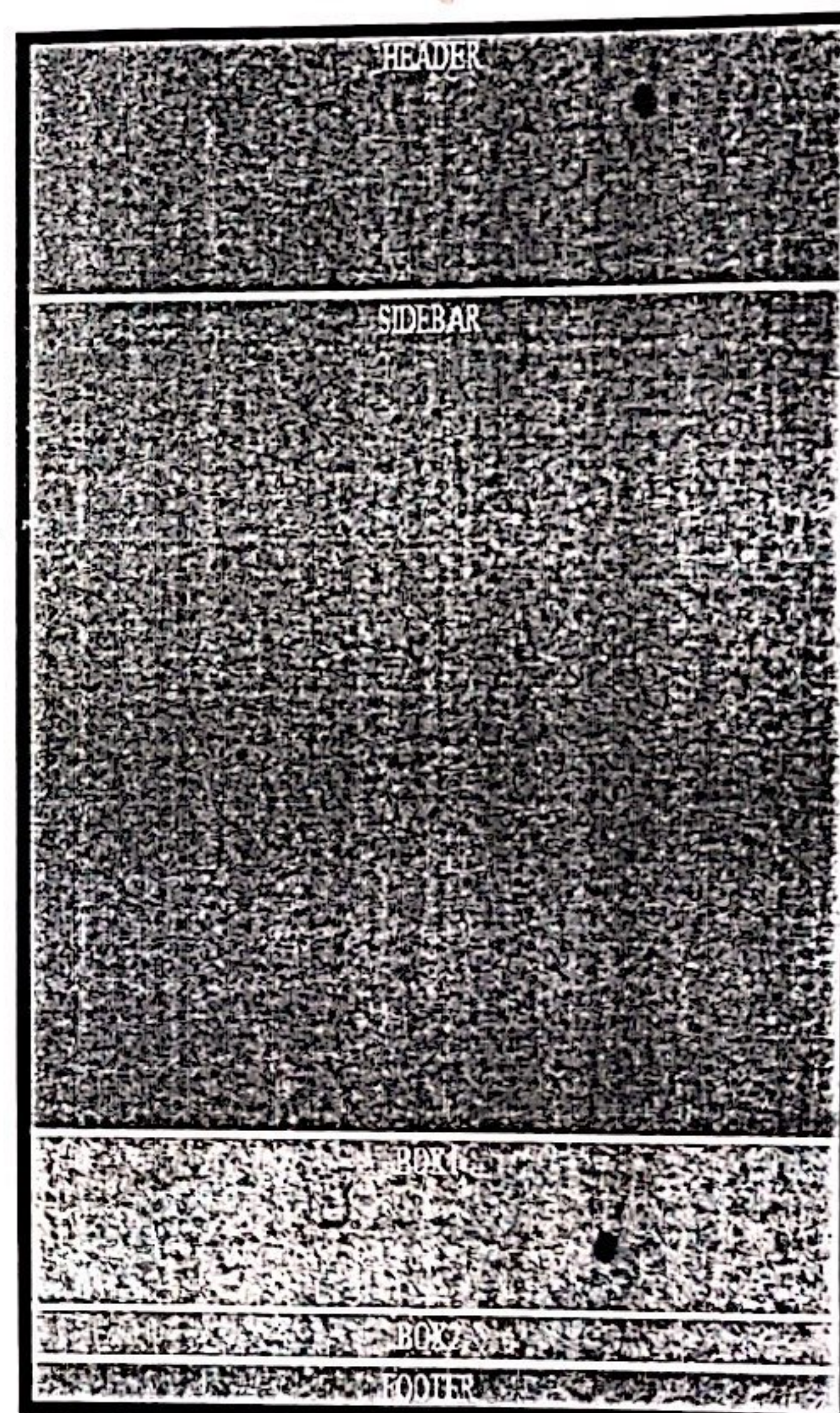
Question 1

(CLO1, Marks 10)

Design the given web page responsive by applying Grid System/Layout using CSS/HTML for Desktop and Mobile views.



>= 640px screen (Desktop View)



< 640px screen (Mobile View)

Question 2

(CLO1, Marks 5)

Find the error in the code (if found). Draw the DOM tree for the given code.

```
<table style="width:100%"><tr><th>Firstname</th><th>Lastname</th>
<th>Age</th></tr><tr><td>Jill</td><td>Smith</td> <td>50</td></tr><tr>
<td>Eve</td><td>Jackson</td> <td>94</td></tr></table>
```

Question 3

(CLO2, Marks 15)

Implement the Dynamic Subject List of Computer Science discipline using JavaScript DOM. The initial structure of HTML code is given below:

```
<html lang="en"><body><h2>Dynamic Subject List of Computer Science
Discipline</h2><form action="#">Enter Subject Name:<input type="text"
id="subject_name"/><input type="button" value="Add"
onclick="AddRow();" /></form><table id="subject-list" border="1"><tr><th>Subject
Name</th><th>Actions</th></tr></table></body></html>
```

Your tasks are:

- 1) By Clicking on "Add" button, it should generate New Row and add it into the table (N-Rows for N-Subjects, see Fig-1)
- 2) By Clicking on the Delete Button, it should delete the current Row of the Table.
- 3) By Clicking on the Edit Button, it should generate the Editable Textbox for the selected subject and change the captions of the buttons ("Edit" and "Delete") to "Save" and "Cancel". Once user modify the subject name and click on the "Save" button, it should display the modified subject name at the selected place. By clicking on the Cancel button, it should discard the action and change the captions of the buttons ("Save" and "Cancel") to "Edit" and "Delete". (Note: you can only edit one row at a time, See Fig-2)

Dynamic Subject List of Computer Science Discipline

Enter Subject Name:

Subject Name	Actions
Web Engineering	Edit Delete

Fig-1: **Add Action:** New Row added into the table

Dynamic Subject List of Computer Science Discipline

Enter Subject Name:

Subject Name	Actions
Web Engineering	Edit Delete
Database Systems	Save Cancel
Data Structure	Edit Delete

Fig-2: **Edit Action:** Textbox populate the selected subject name after clicking on "Edit" button as per selected row.