



BAHRIA UNIVERSITY (KARACHI CAMPUS)

OPEN ENDED LAB 1 – Fall 2022

(CLO-1)

Course Title: Web Engineering
Course Instructor: Engr. Adnan ur Rehman
Lab Engineer: Engr. Rehan Baig
Max. Marks: 12 Marks
Time: 120 Min

Course Code: SEL 310
Class: BSE-5(A/B)
Name: _____
Reg no: _____

Note:

- **The probability of similarity is 0% hence Copied OEL will be marked as ZERO**
- Save Document (Containing Screenshot of Code and Result) of your solution with your name+enrollment like xyz015
- **Must Upload your code folder to Github Public Repository and share your repo URL in doc file.**

[Marks 12 – Implementation (9) + Viva (3)]

Scenario: The **US** based company **Rently** is planning to renovate its **web-based** product. Which **specifications** listed below.

- **Login form**

Username (**doesn't accept any special chars and numbers, Only accept alphabets**),
Email (**Only accept valid email address format**),
Password (**Contains at least 5 characters including 1 capital letter, 1 special character**)

- **Dashboard**

Dashboard Contains following components

1. **Sidebar** with following **pages (Dashboard, Pay/CollectRent)**
2. **TopNavigationBar** with Rently logo on left and Logged in User pic on right side.
3. **Dashboard page** contains 3 Tabs 1. Products for Rent, 2. My Products to Rent, 3. My Booked/Rented products

Tab 1 (Products for Rent): Contains list of all available products for rent with (Product Picture, Rent)

Tab 2 (My Products to Rent): Contains your products that you have added to rent also contains a button for adding new Product to rent with functionality. **You can also add new product to rent in this Tab.** This tab must contain complete functionality to add a new product to rent.

Tab 3 (My Booked/Rented Products): This Contains the list or grid of products that you have rented as a tenant and another grid or list as well for the products you rented as an owner of product.

- **Pay/CollectRent**

This page contains 2 separate lists or grids 1 is for the products for which you have to

collect rent you were the owner of that product with a button saying **collect rent** along with each product in the grid/list.

2nd List or grid is for the products that you rented as a tenant contains a **pay rent** button along with each product in the grid/list.

Important Note

You as a Web Developer responsible for these pages design. The design must be mobile friendly and gives a look and feel of mobile application when open in mobile phone. Design must adopt every screen. Design contains relative graphics for making catchy and easy to use.

You are free to use any JS plugin and also you can create dummy data in JS where needed. All the validations and dummy data must reside in client-side JS.

***** GOOD LUCK *****

Web Engineering OEL Rubrics

CATEGORY	Excellent (1)	Good (0.5)	Poor (0)	Marks
Layout	The Web site has an exceptionally attractive and usable layout. It is easy to locate all-important elements. Layout must include all semantic tags	The Web pages have an attractive and usable layout. It is easy to locate all important elements.	The Web pages have a usable layout, but may appear busy or boring. It is easy to locate most of the important elements.	
Field Selection	Approximately 5 different field and more included in webpage	Approximately 4 different field is included in webpage And 1 or 2 same types of filed	Approximately 2 different field is included in webpage And 2 or 3 same types of filed	
Html Validation	Html Validation was done on whole form	Html Validation was done on some fields	Html Validation was done on few fields	
Color	Colors of background, fonts, unvisited and visited links form a pleasing palette, do not detract from the content, and are consistent across page.	Colors of background, fonts, unvisited and visited links do not detract from the content, and are consistent across page.	Colors of background, fonts, unvisited and visited links do not detract from the content.	
Responsiveness	Student uses a style sheet to define attributes (along with some inline style), which makes page attractive looking,	Student uses a style sheet, however there is some inconsistencies in relation to the styles on some elements on the webpage.	Student uses a style sheet; however, it is not consistent on page, which disrupts consistency of page.	
Graphics and images	Graphics are related to the theme or purpose of the site, are of high quality and enhance reader interest or understanding. Images include animation and other styling	Graphics are related to the theme or purpose of the site, are of good quality and enhance reader interest or understanding. Limited animation applied on images	Graphics are of fair design, unoriginal, with elements that need enhancing.	
Java script Validation	All Fields include Java script validation	Majority of fields include Java Script validation	Few Fields include Java Script validation	

Java script functions Implementation	Use of different mathematical function and string function used in a web page as discussed in class	Use of different mathematical function in a web page as discussed in class	Use of different string function used in a web page as discuss in class	
Manipulation operation	Manipulation operation is performed on all important fields professionally	Manipulation operation is performed on numeric fields professionally	Manipulation operation is performed on string fields professionally	
<p>Total Marks = 9 marks for Implementation / Application + 3 marks for Viva = 12</p>				