

# Web Engineering Lab 04

## Submission Details:

Submit to: [assignmentsubmission19@gmail.com](mailto:assignmentsubmission19@gmail.com)

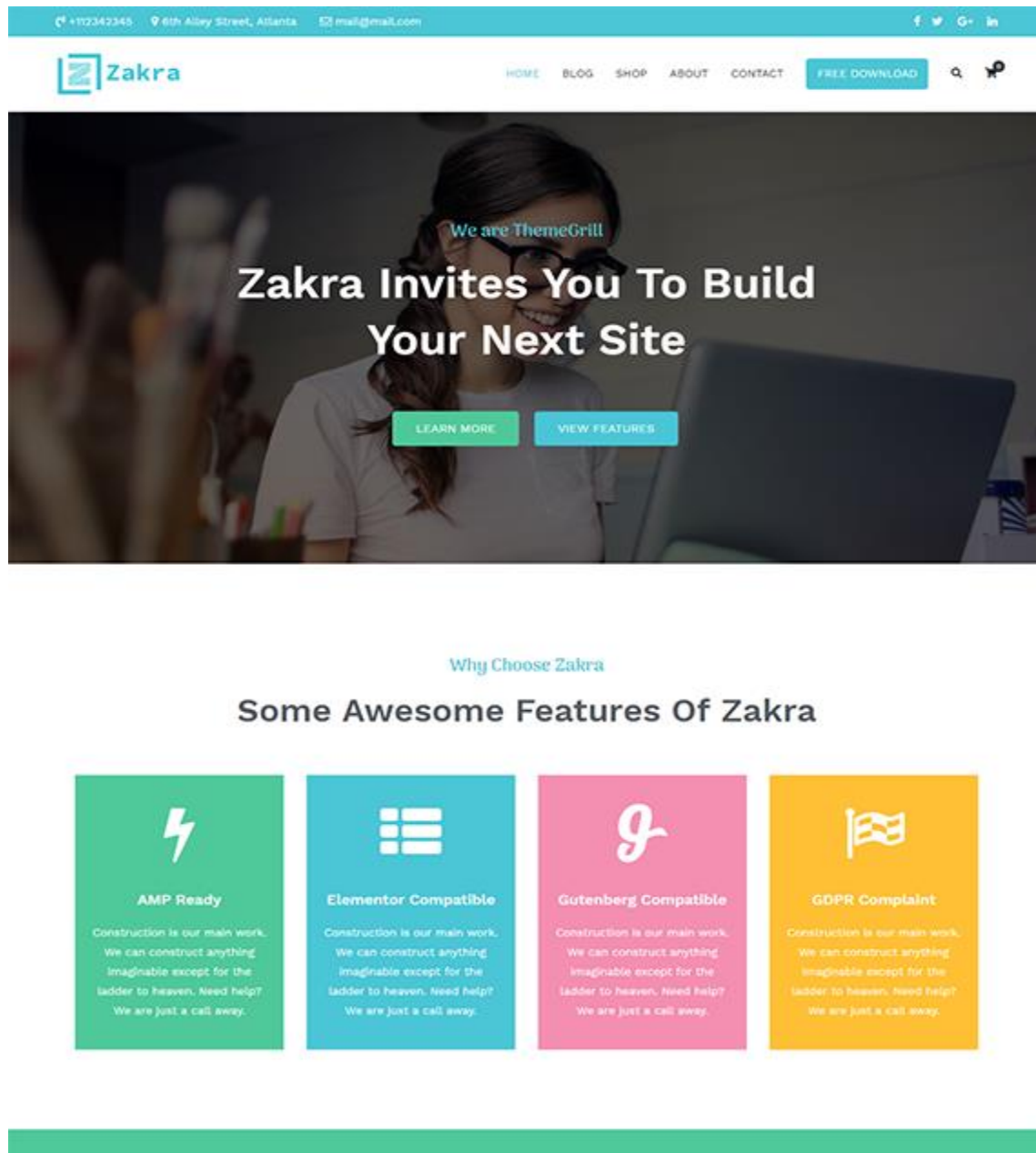
Deadline: **23<sup>rd</sup> October 2020 till 11:00 am**

Subject: Web Lab 04

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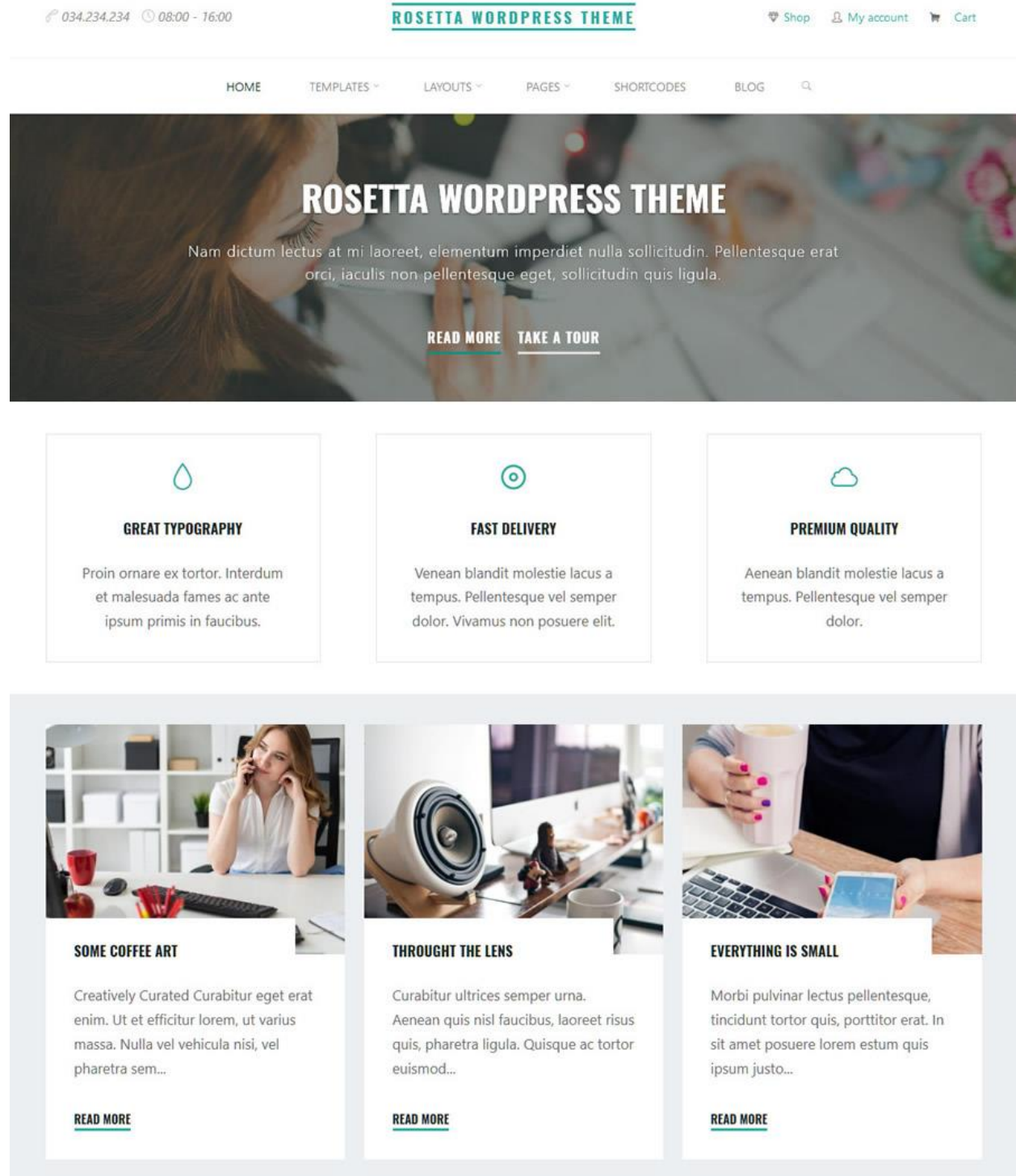
## Problem 01:

Design following page.



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## Problem 02:



## Problem 03:

Try creating a page, with embedded JavaScript, that implements the following functions:

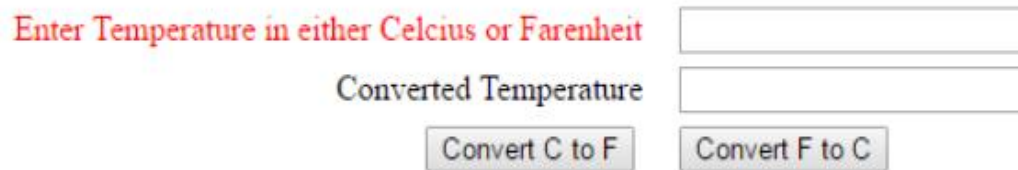
**Instructor: Umme Ammarah**  
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- a. A function that returns the Celsius equivalent of a Fahrenheit temperature.  
Use the formula:  $C = (5.0 / 9.0) * (F - 32)$ ;
- b. A function that returns the Fahrenheit equivalent of a Celsius temperature.  
Use the formula:  $F = (9.0 / 5.0) * C + 32$ ;

Create a form that allows the user to enter a temperature and convert it to either Celsius or Fahrenheit. See sample solution below. In order to script the solution, you may want to consider working with:

- functions
- event handlers
- document object model

### Sample Solution



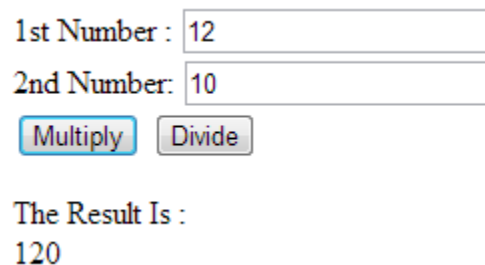
A sample web form for temperature conversion. It features a red heading "Enter Temperature in either Celcius or Farenheit" (note the misspellings). Below the heading are two empty text input fields. The first field is labeled "Converted Temperature" in black text. Below the first input field is a button labeled "Convert C to F". Below the second input field is a button labeled "Convert F to C".

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### Problem 04:

Write a JavaScript program to calculate multiplication and division of two numbers (input from user).

Sample Form:



A sample web form for calculating multiplication and division of two numbers. It has two rows of input fields. The first row is labeled "1st Number :" and contains the value "12". The second row is labeled "2nd Number:" and contains the value "10". Below the input fields are two buttons: "Multiply" (highlighted with a blue border) and "Divide". Below the buttons, the text "The Result Is :" is followed by the value "120".