



# Imam Mohammad Ibn Saud Islamic University

## College of Computer and Information Sciences

### Computer Science Department

Course Title:	Web Application Development	
Course Code:	CS346	
Course Instructor:	Dr. Fahman Ali Saeed, T. Amal Algefes	
Assignment:	Midterm	
Semester:	3 <sup>rd</sup> Semester, 2023	
Date:	2024-05-12	
Duration:	70 Minutes	
Marks:	25	
Privileges:	✓ Open Book ✓ Calculator Permitted	✓ Open Notes ✓ Laptop Permitted

Student Name (in English):	
Student ID:	
Section No.:	

#### Instructions:

1. Answer 2 questions; there are **2** questions in **4** pages.
2. Write your name as a comment in each file.
3. Upload your answers as a compressed file, you should name your file as "YourName\_id".
4. Make sure your compressed folder contains 4 files: **AgeCalculator.html**, **calculator.js**, **style.css**, **age.png**

Official Use Only			
Question	CLOs	Student Marks	Question Marks
1	1.2		15
2	2.1		10
Total			25



**Question 1: HTML and CSS**

To be answered in **(30) Minutes** [

]/ **15 Marks**

In Age Calculator, we will take the date of birth as the date input on the page and print the age from that input. We will create the structure using HTML and design it with CSS. JavaScript will be used to implement and show the output.

Consider the provided files: **AgeCalculator.html**, **style.css** and **calculator.js** representing the following Web page.

Complete [**style.css**] and apply the appropriate changes to the HTML document

[**AgeCalculator.html**] so it looks like the following screenshots. (The instructions are in the next page).

**Age Calculator**

Enter your name:

Enter your date of birth:

Month / Year / Day

MM / YY / DD

Calculate Age

After you type your name and date of birth, the result should appear in the next box:

**Age Calculator**

Enter your name:

Ala Ali

Enter your date of birth:

Month / Year / Day

MM / YY / DD

Calculate Age

Name: Ala Ali

Age: 29 years old



If you don't type your date of birth or your name, The message will appear.

**AgeCalculator.html** file instructions:

- Age Calculator will be in heading 1,
- Create input "text" to enter your name
- Create input "date" to enter your date of birth
- Add "button" to Calculate Age

**style.css** file instructions:

- The image "age.png" should appear as the background of the whole home page and the body use font-family: **"Montserrat", sans-serif**.
- The title "Age Calculator" is **center**.
- The "button" has background color **#007bff**, color is **white**, border radius is **5px**, and add the padding.
- The size of the result is **18px** and **bold**.
- The box containing the h1, and the result has the following properties:
  - The flex-direction is **column**.
  - Background color is **white**.
  - The border radius of the box is **25px**
  - The padding and border will be added by the students.
- You should show some spaces between the box of the form and the box of the result

Note:

- theStyles.css file has partial style rules and you need to complete it with the rules from the above instructions and images.
- You can add classes and Id to apply the appropriate style for each part of the page.



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**Question 2:****JavaScript**To be answered in **(30) Minutes** [**] / 10 Marks**

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Consider the HTML document (**AgeCalculator.html**) that you have completed in Question 1.

Write a JavaScript code in [**calculator.js**] file that performs the following:

1. Get the submitted data from the form.
2. To Get Age:
  - You will retrieve the input Date of Birth from an HTML input element
  - also retrieves the current date
  - You can use getDate, getMonth, and getFullYear methods.
3. If the user did not add any DOB, the message "Please enter your birthday " should appear.
4. Also, if the user did not add a name, the message "Please enter your name" should appear.