

**BICT- Level 1 – Semester II**  
**Server-Side Web Development– ICT1233**  
**Practical 2**

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**Objective:** Revise the JavaScript programming knowledge

**Instructions**


Use text editor for HTML coding

Use Bootstrap or CSS for styling web page

Create web pages and an **external** JavaScript file to perform the following tasks

1. In a new web page, create a form to collect First Name, Last Name, Address and Faculty (values: Technology, Science, Management, Engineering, Agriculture).

When the user clicks the submit button of the form, check if all the fields are filled, if not display messages according to the following table.




The image shows a web form titled "Student Information Form". It contains the following fields and controls:

- Student ID:** A text input field containing the value "TG/2017/231".
- First Name:** An empty text input field.
- Last Name:** An empty text input field.
- Address:** A larger empty text input field.
- Faculty:** A dropdown menu with "Technology" selected.
- Buttons:** Two buttons at the bottom: a green "Sumbit" button and a red "Reset" button.

**Figure 1: Student form**

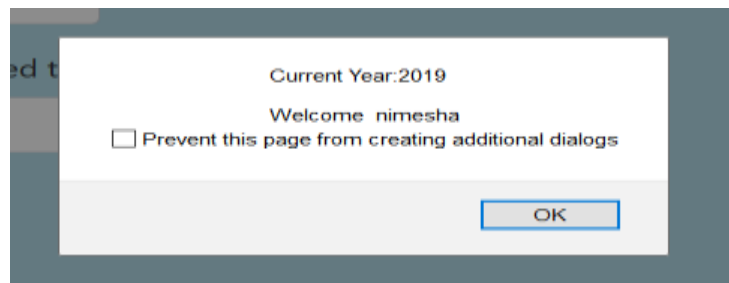
Condition	Message
Only the first name field is empty	Please fill the first name field
Only the last name field is empty	Please fill the last name field
Only the address field is empty	Please fill the address field
All the fields are filled	Thank you completing the form

2. Create a form as given in Figure 2 and use javascript functions to achieve the given requirements



**Figure 2: Interface**

- a. When the page opens, prompt user for his/her last name followed by first name. After name has been entered, display an alert dialog box with current year and welcome the user using the name that he (she) entered (see Figure 3).



**Figure 3: Welcome message**

- b. After click on “Ok” in the welcome dialog box, user should be able to enter his/ her birth year and the year that he or she needs to find out the age at that time.
- c. When the user clicks on submit button, following alerts should be displayed.

Condition	Message
Birth year > future year	Please enter valid information
Birth year = future year	You born in this year...!!!!
Birth year < future year	Your age in <b>future_year</b> is <b>age</b>
Birth year and/ or future year is null	Please fill all the fields

(age = future year – birth year)

3. Create a web page as given in Figure 4 using HTML, CSS and JQuery. Add the following functionalities to the web page (You can download JQuery from <https://jquery.com/download/>)

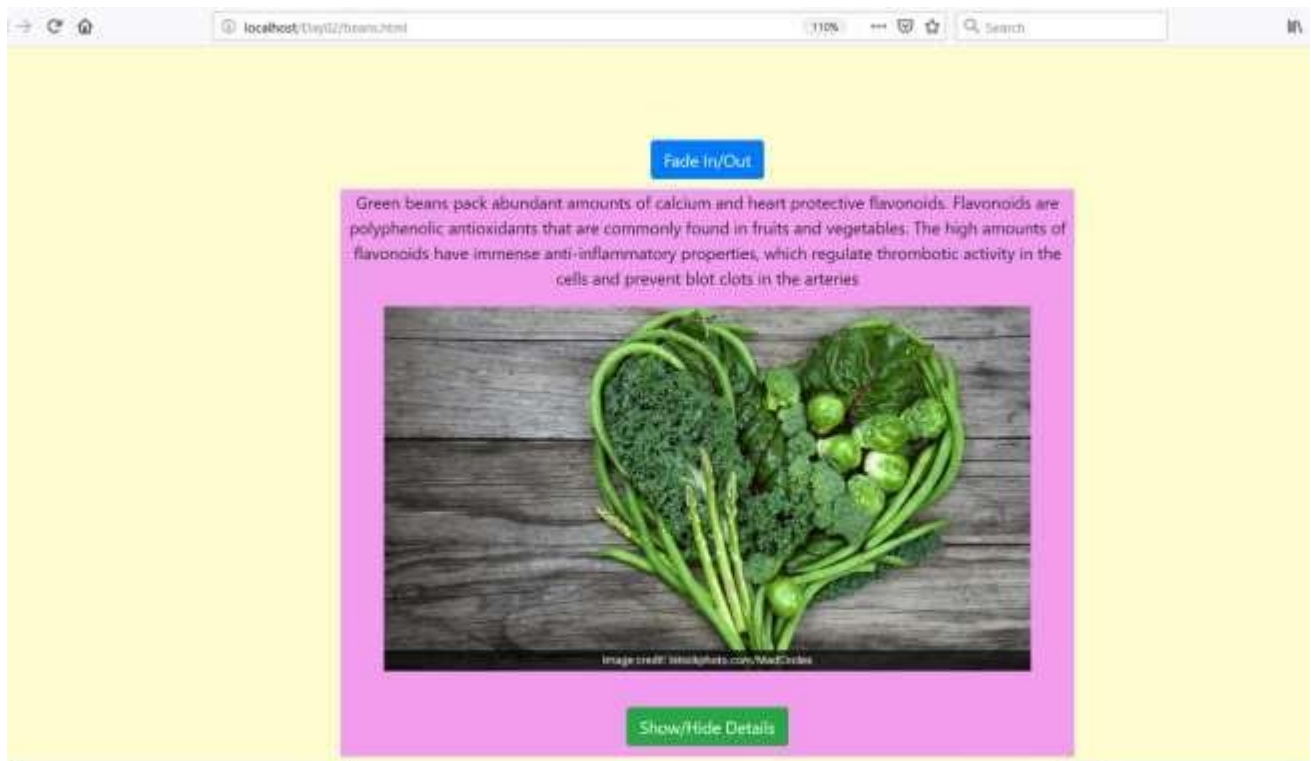


Figure 4: Interface on page loading

- a. Add the given below paragraph into the web page

“Green beans pack abundant amounts of calcium and heart protective flavonoids. Flavonoids are polyphenolic antioxidants that are commonly found in fruits and vegetables. The high amounts of flavonoids have immense anti-inflammatory properties, which regulate thrombotic activity in the cells and prevent blot clots in the arteries”

- b. When the user clicks on “**Fade In/ Fade out**” button, the dark purple color section should be toggle between fade in and fade out.
- c. When the user clicks on “**Show/ hide details**” button, the image should be hidden (See **Figure 5**)



**Figure 5: Interface after clicking "Show/hide details" button**

- d. When the user clicks the “**Show/hide details**” button again, the interface in **Figure 4** should be displayed again