

# Web application development

(Introduction to Javascript)

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*Smart Software System Team*



“We love what we do and we do what our clients love & work with great clients all over the world to create thoughtful and purposeful websites.”–  
**ProWeb365**

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# Basic Javascript – Exercise 1

1. Write a JavaScript program to display the current day and time in the following format.  
Today is : Thursday.  
Current time is : 1 PM : 00 : 00
2. Write a JavaScript program to copy a string to the clipboard.
3. Write a JavaScript program to parse an HTTP Cookie header string and return an object of all cookie name-value pairs.
4. Write a JavaScript program to write a JSON object to a file.



## Basic Javascript – Exercise 2 (DOM)

1. Use javascript to create a submit button. After that changing the text on it.
2. Use javascript to create a form. Next, write a JavaScript function to get the value of submit button that you create on Exercise 1.
3. Write javascript code to create a form to calculate age of other people.
4. Write a JavaScript application that, when a user hovers over a certain link, highlights the bold words of the following text.
5. Create a Javascript application to get the window's width and height (any time the window is resized).

Hint: Find out more about `Document.querySelector`, `Document.createElement`, `Document.getElementById` and other functions related to `Document`.

The **Document Object Model (DOM)** represents HTML in the browser after it has been rendered. The DOM API is how JavaScript is able to change content on a page.

## Exercise 3



- Access to these links and do it:
- Javascript with DOM: <https://codepen.io/collection/OLeoWM>
- Javascript with CANVAS: <https://codepen.io/collection/wajeaz>



## Exercise 4 – More things to do.

- Because you are great, so make it greater
- Access to this link and clone this website:

<https://drive.google.com/drive/folders/1eBLveVhfnXYqf0IHjGdil9rI3F6W5fuxJ>

# Javascript – Homework




- Do you remember about your CV? Please add some javascript code to make it great. For example, you can add menu on the left of this website. When people click on each part, your website will direct them here.

## Profile

I'm a student

### About me

I am a lovely cat. I have passion in IT and I want to become data analyst.



### Details

**Name:**  
Tran Van Boss  
**Age:**  
5 years  
**Location:**  
UIT, VNU-HCM

[Profile](#)  
[Experiences](#)  
[Abilities](#)  
[Projects](#)  
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# Javascript – Homework 2.1 (Option 1)



- Develop a website similar to this and add sound to each button.

## Drum 🥁 Kit







## Homework 2.1- Hint

- Find out more about DOM Audio Object, addEventListener
- Add 2 types of EventListener, first is click and next is keypress
- Use switch-case to perform it.

# Javascript – Homework 2.2



- Access to this link and do exercise 3:

<https://drive.google.com/file/d/1hr4hTelyL6oGvwE6hIdQXlwDNZZ0UOqO/view?usp=sharing>

# Javascript – Homework 2.3



- Access to this link and do exercise
- <https://drive.google.com/file/d/12ej5SRd873oFS4TJ8csu4WkusNyU-DXX/view?usp=sharing>

# Javascript – Homework 3 (Option 2) – Inspired by Quang Anh Đau



- Access to this link and clone this:
- <https://www.youtube.com/watch?v=FazgJVnrVul>
- After that, develop a teaser website that provides information about the upcoming Information System Training Camp, stimulates interest, and allows potential participants to get a glimpse of what to expect.
- The figure and other materials you can find here:  
<https://www.facebook.com/profile/100064235221783/search/?q=tr%E1%BA%A1i%20r%C3%A8n%20luy%E1%BB%87n>

# Javascript – Homework 3 (Option 2) - Design & Aesthetics



- Adhere to the camp's color scheme and branding guidelines.
- Ensure the design is mobile-responsive and cross-browser compatible.
- Use high-resolution images and graphics related to the camp's theme.
- Ensure an intuitive user interface with easy navigation.

# Javascript – Homework 3 (Option 2) - Core Features



- Homepage: Brief about the training camp, countdown timer to the camp's start date, and a visually appealing banner or hero section.
- About Page: Detailed information about the camp, its objectives, and expected outcomes.
- Schedule: Provide a tentative schedule or timeline of activities and sessions during the camp.
- Gallery: A section to display photos or videos from previous camps or related activities.
- Contact Information:\*\* Details such as phone number, email address, and physical location (if relevant).

# Javascript – Homework 3 (Option 2) - Functionality & Interactivity



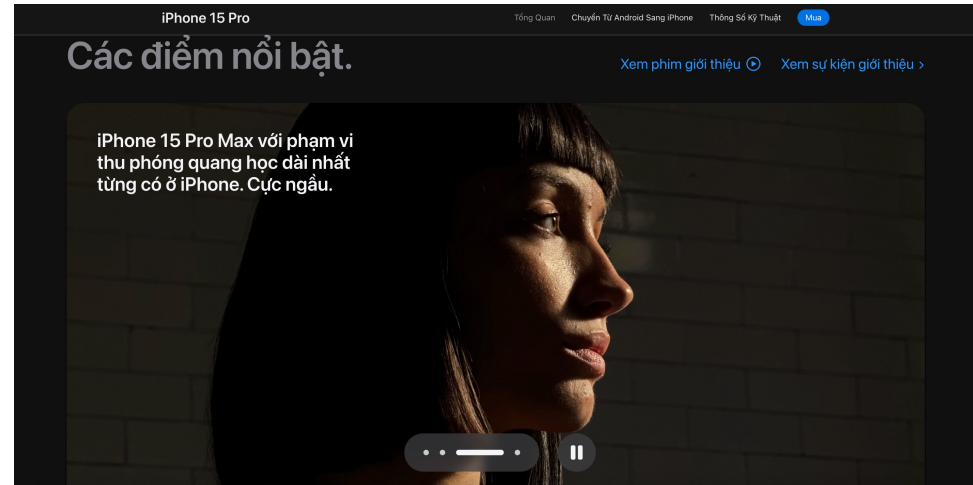
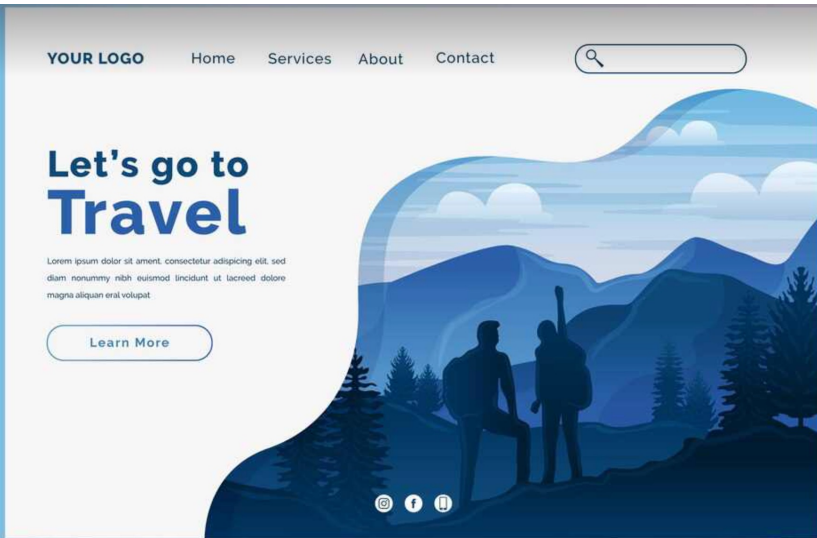
- Implement smooth transitions and animations for a dynamic user experience.
- Ensure the registration form captures necessary details and has validation checks.
- Include a confirmation notification or email functionality for successful registrations.
- Integrate social media sharing

# Javascript – Homework 3 (Option 2) - Functionality & Interactivity



- Some typical examples of teaser website:

<https://www.apple.com/vn/iphone-15-pro/>







**Thank you for cooperating  
Gét gô**

*"Coming together is a beginning;  
Keeping together is progress;  
Working together is success."*

- HENRY FORD