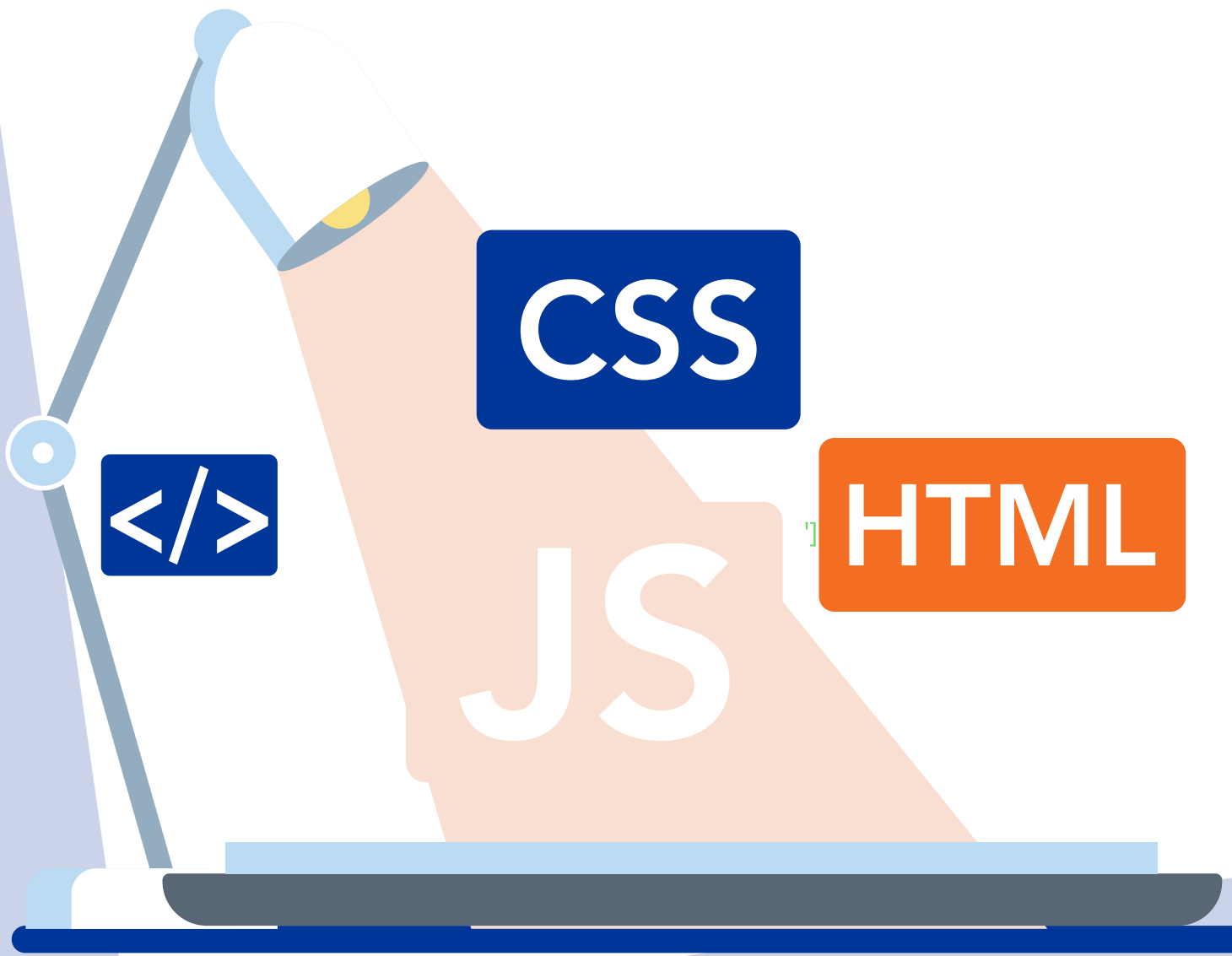


...start today. Enjoy tomorrow.

Front-end Development



S Y L L A B U S



Welcome to DuroMedia academy

Educate one million Nigerians on how to support themselves by doing what they love (without losing their soul), A key initiative to change how we educate people is the #1MMinusOne, and the march to a million begins with you, to provide equal access to education for both teachers and students!

The march to 1 million begins with you.

Every big, hairy, audacious goal starts with a single step.

Join us on our journey.

Our Vision is to empower students to value knowledge/skills that will support them as a life-long learners and productive global citizens in an ever-changing world.

...start today. **Enjoy tomorrow.**

We have an experienced and professional team working to support you on your journey in Front-end Development Course. We will do our best to provide you an informative and encouraging course with a great learning experience. If you have any suggestions on this course, you're welcome to contact me anytime.

Topics

In this course, we will mostly talk about the front end web development skills and a few back end techniques.

We will be covering topics like HTML & CSS – Content, layout, and styling of web page

- * **JavaScript Programming** – Programming language of the web
- * **Dynamic Website Development** – Make a web page interactive and do things
- * **ReactJS Development** – Learn to develop components and single page Apps in React
- * **Capstone Portfolio Project** – Build a full-stack application you are proud of

Each week's project will be posted ahead of time (on Thursday or Friday) for you to get started early. All the content including the learning goals and requirements, reading materials and lecture videos are put into one session and you will explore them by topics.

COURSE EXPECTATIONS

Lecture Attendance Policy:

You are expected to attend and participate all lectures. If there is a circumstance where you are not able to attend said lectures you will be required to notify us and connect with your classmate for update.

When attending the lectures, we expect you to actively participate. I do keep track of participation during each lecture. When we are working on coding exercises, I expect you to follow along, not just watch me do the code. During lectures, we might call on you to answer questions. Be prepared to discuss topics as a group. Class presentations will be held for each major project. I also expect you to give your classmates constructive critiques.

Assignment/Activity:

The only way to learn is practice. You will always get assignments throughout the course. These assignments are to reinforce what code or theory is taught during the

...start today. Enjoy tomorrow.

lectures. Most of these assignments are less intensive than the projects and focus more on execution rather than creativity and design. For each homework assignment, you will have at least five days to complete unless otherwise noted.

Each week you will have one or two graded assignments/activities that are related to the skills covered in that week's contents and will due on Sunday night. You will learn mostly by writing the code on your own. The more you practice, the better you will learn.

Project:

You will do an individual project which is building a simple website from week 6 to week 8 using the skills you learn in this course and you have a lot of freedom to determine the theme of the website.

LATE WORK:

All work is due on or before the due date. Extensions for deadlines will only be given on a case by case basis. Minor inconveniences such as family vacation or minor illness are not valid reasons for extensions. Unless excused, work submitted within 24 hours after the due date will automatically be deducted by 30% of the maximum points allowed. No work will be accepted for a grade past 24 hours.

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GRADING

Students are evaluated on the basis of their timely and effective completion of homework assignments and projects.

Assignments	50%
extra credit	10%
Project	10%
Activity	25%
Final Exam	15%
Total	100%

*Participation includes: presence in class (chat, responses to questions, actively engaged, etc.), lecture attendance, and Discussion Board activity (reading and postings/comments).

WEEK 1

HTML & CSS

Content, layout, and styling of web page.

Intro to HTML and CSS

HTML Fundamentals

Web Accessibility

CSS Fundamentals

Positioning

WEEK 2

Alignment

Styling a Page

Responsive Design

HTML & CSS Project

Intro to CSS Framework

WEEK 3

Development Cycle with Git

Advance CSS & Framework

Deloying HTML/CSS Website

WEEK 4

What is JavaScript Programming
Programming language of the web

WEEK 5

Intro to JavaScript
Basic Program Structure
Function Fundamentals
Object Data Structure

WEEK 6

Advanced Function Concepts
Advanced Object Concepts
Bonus Concepts
JavaScript Project

WEEK 7

Assessment

WEEK 8

Project 1

WEEK 9

Dynamic Website Development

Make a web page interactive and do things

How does JavaScript work with HTML and CSS?

WEEK 10

Document Object Model

DOM Manipulation

DOM Events

WEEK 11

JavaScript Libraries (jQuery and Underscore)

Persistent Data Storage With Back-end Servers

Simple HTML CSS JavaScript Project with AJAX

WEEK 12

JavaScript ES6
What is a front-end framework?

WEEK 13

Basic React
ReactJS Development
Learn to develop components and single page apps in React

WEEK 14

Create React App
React Project

WEEK 15

Test
Project 2
Revision
Project 3

WEEK 16

Graduation

...start today. Enjoy tomorrow.



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