

# **Full Stack Web Development Course**

## **Class Schedule for April 2024**

**(April 1, 2024, to October 7, 2024)**

### **Phase 1 (Apr 1 – May 21)**

- **Week 1 (Apr 1)**
  - Class 1: Orientation and preparation for the course
- **Week 2 (Apr 8 & Apr 9)**
  - Class 1: Basic computer skills
  - Class 2: Basic computer skills
- **Week 3 (Apr 15 & Apr 16)**
  - Class 1: Basics of HTML - part I
  - Class 2: Basics of HTML - part II
- **Week 4 (Apr 22 & Apr 23)**
  - Class 1: Basics of CSS
  - Class 2: CSS properties
- **Week 5 (Apr 29 & Apr 30)**
  - Class 1: Rebuilding apple.com's homepage using HTML & CSS
  - Class 2: Introduction to UX/UI design
- **Week 6 (May 6 & May 7)**
  - Class 1: Responsive website development: media queries
  - Class 2: Media queries: demo class
- **Week 7 (May 13 & May 14)**
  - Class 1: Responsive website development: Bootstrap
  - Class 2: Bootstrap: demo class
- **Bonus Week (May 20 & May 21)**
  - Class 1: Building your portfolio website
  - Class 2: Launching your website (deployment)

## **Phase 2: (May 27 – July 9)**

- **Week 1 (May 27 & May 28)**
  - Class 1: Introduction to programming basics (part I)
  - Class 2: Introduction to programming basics (part II)
- **Week 2 (Jun 3 & Jun 4)**
  - Class 1: Functions and conditional statements
  - Class 2: Algorithmic thinking
- **Week 3 (Jun 10 & Jun 11)**
  - Class 1: Decision and loops
  - Class 2: Introduction to object-oriented programming
- **Week 4 (Jun 17 & Jun 18)**
  - Class 1: Algorithm writing (solving algorithmic problems) (part I)
  - Class 2: Algorithm writing (solving algorithmic problems) (part II)

### **\*\*\*\*\* Revision Week \*\*\*\*\***

- **Week 5 (Jul 1 & Jul 2)**
  - Class 1: JavaScript DOM manipulation
  - Class 2: JavaScript events
- **Week 6 (Jul 8 & Jul 9)**
  - Class 1: jQuery
  - Class 2: Building websites using Shopify (bonus class)

### **Phase 3: (July 15 – August 27)**

- **Week 1 (Jul 15 & Jul 16)**
  - Class 1: Introduction to terminal, Bash Script, and Git
  - Class 2: Introduction to Node.js
- **Week 2: (Jul 22 & Jul 23)**
  - Class 1: Introduction to Node modules
  - Class 2: Building web server (http & Express)
- **Week 3: (Jul 29 & Jul 30)**
  - Class 1: Working with databases (MySQL part I)
  - Class 2: Working with databases (MySQL part II)
- **Week 4: (Aug 5 & Aug 6)**
  - Class 1: Introduction to React
  - Class 2: React components (functional components)
- **Week 5: (Aug 12 & Aug 13)**
  - Class 1: Asynchronous JavaScript - Callbacks, Promise and Async-Await
  - Class 2: React components (class components) and props
- **Week 6 (Aug 19 & Aug 20)**
  - Class 1: React states
  - Class 2: React Hooks
- **Week 7 (Aug 26 & Aug 27)**
  - Class 1: API integration
  - Class 2: React Routing

\*\*\*\*\* **Break Week** \*\*\*\*\*

### **Project Phase: (September 9 – October 7)**

- **Projects to work on**

## **Live Class and Group Dates/Hours**

- **Live class lecture dates and hours:**

- **Mondays and Tuesdays**

- 7:00pm - 9:00pm (EST or DC Time)
    - 4:00pm - 6:00am (PST or California Time)
    - በኢትዮጵያ አቆጣጠር ደግሞ ከሌሊቱ 8:00 ሰዓት እስከ ሌሊቱ 10:00 ሰዓት

- **Group discussion dates and hours**

- **Group 1: Thursdays and Fridays**

- 10:00am - 12:00pm (EST or DC Time)
    - 7:00am - 9:00am (PST or California Time)
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- **Group 2: Thursdays and Fridays**

- 1:00pm - 3:00pm EST (DC Time)
    - 10:00am - 12:00pm (PST or California Time)
    - በኢትዮጵያ አቆጣጠር ደግሞ ከምሽቱ 2:00 ሰዓት እስከ ምሽቱ 4:00 ሰዓት

- **Group 3: Thursdays and Fridays**

- 7:00pm - 9:00pm (EST or DC Time)
    - 4:00pm - 6:00pm (PST or California Time)
    - በኢትዮጵያ አቆጣጠር ደግሞ ከሌሊቱ 8:00 ሰዓት እስከ ሌሊቱ 10:00 ሰዓት

- **Group 4: Thursdays and Fridays**

- 9:00pm - 11:00pm EST (DC Time)
    - 6:00pm - 8:00pm (PST or California Time)
    - በኢትዮጵያ አቆጣጠር ደግሞ ከሌሊቱ 10:00 ሰዓት እስከ ጠዋቱ 12:00 ሰዓት