

Full Stack Web Development Course

Class Schedule for Feb 2023

(Feb 13, 2023, to July 4, 2023)

Phase 1 (Feb 13 – Apr 4)

- **Week 1 (Feb 13)**
 - Class 1: Orientation and preparation for the course
- **Week 2 (Feb 20 & Feb 21)**
 - Class 1: Basic computer skills
 - Class 2: Basic computer skills
- **Week 3 (Feb 27 & Feb 28)**
 - Class 1: Basics of HTML - part I
 - Class 2: Basics of HTML - part II
- **Week 4 (Mar 6 & Mar 7)**
 - Class 1: Basics of CSS
 - Class 2: CSS properties
- **Week 5 (Mar 13 & Mar 14)** (Daylight saving time starts in DC area on Mar 12 on Saturday night, clocks will be adjusted by one hour)
 - Class 1: Rebuilding apple.com's homepage using HTML & CSS
 - Class 2: Introduction to UX/UI design
- **Week 6 (Mar 20 & Mar 21)**
 - Class 1: Responsive website development: media queries
 - Class 2: Media queries: demo class
- **Week 7 (Mar 27 & Mar 28)**
 - Class 2: Responsive website development: Bootstrap
 - Bootstrap: demo class
- **Bonus Week (Apr 3 & Apr 4)**
 - Class 1: Building your portfolio website
 - Class 2: Launching your website (deployment)

Phase 2: (Apr 10 - May 16)

- **Week 1 (Apr 10 & Apr 11)**
 - Class 1: Introduction to programming basics (part I)
 - Class 2: Introduction to programming basics (part II)
- **Week 2 (Apr 17 & Apr 18)**
 - Class 1: Functions and conditional statements
 - Class 2: Algorithmic thinking
- **Week 3 (Apr 24 & Apr 25)**
 - Class 1: Decision and loops

- Class 2: Introduction to object-oriented programming
- **Week 4 (May 1 & May 2)**
 - Class 1: Algorithm writing (solving algorithmic problems) (part I)
 - Class 2: Algorithm writing (solving algorithmic problems) (part II)

***** **Break Week** *****

- **Week 5 (May 8 & May 9)**
 - Class 1: JavaScript DOM manipulation
 - Class 2: JavaScript events
- **Week 6 (May 15 & May 16)**
 - Class 1: jQuery
 - Class 2: Building websites using Shopify (bonus class)

Phase 3: (May 22 – July 4)

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

Live Class and Group Dates/Hours

- **Live class lecture dates and hours:**
 - **Mon and Tue**
 - 7:00pm - 9:00pm EST - (DC Time)
 - 4:00pm - 6:00pm PST - (California Time)
 - በኢትዮጵያ አቆጣጠር: ከሌሊቱ 8:00 ሰዓት - 10:00 ሰዓት
- **Group discussion dates and hours**
 - **Group 1: Thur and Fri**
 - 9:00am - 11:00am EST (DC Time)
 - 6:00am - 8:00am (PST or California Time)
 - በኢትዮጵያ አቆጣጠር ደግሞ ከምሽቱ 10 ሰዓት እስከ ምሽቱ 12 ሰዓት
 - **Group 2: Thur and Fri**
 - 11:00am - 1:00pm EST (DC Time)
 - 8:00am - 10:00am (PST or California Time)
 - በኢትዮጵያ አቆጣጠር ደግሞ ከምሽቱ 12 ሰዓት እስከ ምሽቱ 2 ሰዓት
 - **Group 3: Thur and Fri**
 - 7:00pm - 9:00pm EST - (DC Time)
 - 4:00pm - 6:00pm PST - (California Time)
 - በኢትዮጵያ አቆጣጠር: ከሌሊቱ 8:00 ሰዓት - እስከ ንጋቱ 10:00 ሰዓት
 - **Group 4: Thur and Fri**
 - 9:00pm - 11:00pm (EST or DC Time)
 - 6:00pm - 8:00pm (PST or California Time)
 - በኢትዮጵያ አቆጣጠር ደግሞ ከንጋቱ 10 ሰዓት እስከ ንጋቱ 12 ሰዓት