

Milestone-0: Welcome

module-0:Welcome Module

- 0.Welcome to Complete Web Development Course
- 1.Module Introduction
- 2.Course outline SCIC and ACC
- 3.How to access course videos and assignments
- 4.How to ask for help
- 5.Install visual studio code
- 6.Install node in your computer and check version
- 7.Install git scm and create github account
- 8.How to take best out of this course
- 9.Module Summary and next steps

Milestone-1: Personal Portfolio

Module-1: Learn and Explore HTML as a Beginner

- 1-1 Getting started with your first ever website
- 1-2 HTML language, markup, tags structure, paragraph tag
- 1-3 Bold, strong, how HTML tag works
- 1-4 Heading tag, different types of headings
- 1-5 HTML tag attribute, anchor, href, navigate
- 1-6 Display image (online image, local image, folder image)
- 1-7 List, container tag, ordered list, unordered list
- 1-8 Button, input, div, span, w3schools, every html tags
- 1-9 HTML structure, head, body, title, meta tag
- 1-10 HTML Module Summary, 4 types of HTML tags

Module-2: Learn and Explore CSS as a Beginner

- 2-1 Introduction to CSS Module, getting started with CSS
- 2-2 Style tag, embedded style, named color, hexcode, rgb
- 2-3 Background-color, height, width, font, CSS measuring units
- 2-4 CSS ID, apply styles to a specific HTML element
- 2-5 CSS class, apply styles to multiple elements, ID vs Class
- 2-6 Style a group of elements, style a small portion of text
- 2-7 Border, border radius, margin, different ways to set margin
- 2-8 Padding, different ways to set padding, CSS Box model
- 2-9 Text align, float, display, inline, block, inline-block, external CSS
- 2-10 CSS Module Summary

Module-3: Git, source control, GitHub and hosting

- 3-1 github Module Introduction
- 3-2 Install git, create GitHub repository
- 3-3 Git init, git add, git commit, set origin
- 3-4 Git push, git pull

3-5 Host simple website in gitHub using gh-pages
3-6 [advanced: feel free to skip] git branch and this will confuse you
3-7 [advanced] Create git branch, merge branches
3-8 [advanced] Merge conflict and how to avoid it
3-9 common github related issues faced by new developer
3-10 GitHub module overall summary

Module 4: Build a beautiful and professional portfolio website

4-1 Module Introduction, overview of the site you will build
4-2 Setup and resources needed to start your first ever project
4-3 Create HTML, link CSS, set title, span tag style
4-4 Simple image background remove, set fancy background
4-5 Float, create container, put two div side by side, image size
4-6 Background image, background-repeat, neutralize default style
4-7 Link button, target blank, text-decoration, linear gradient
4-8 Dream image, half-width, background remove
4-9 Dream area, dream text and download resume link button
4-10 Experience area, text highlight, meaningful class name
4-11 Box shadow, border image, gradient angle, footer
4-12 Website hosting, live portfolio link, portfolio summary

Module 4.5: Revision/Practice and Conceptual day-1

4_5-1 revision module and practice task

Module 5: Personal website, build a brand new website

5-1 Five things you should pay attention about assignments
5-2 Personal website assignment to finish Milestone 1

Assignment 1

Module 5.5: [bonus] CSS Extra hover, position, specificity, homework

5_5-1 pseudoclass part hover all elements, hover special
5_5-2 pseudoclass focus first child, last child, nth child, visited
5_5-3 pseudo element before after
5_5-4 css position static relative absolute fixed
5_5-5 CSS specificity style order style priority

Milestone 2: Responsive Landing Page

Module 6: HTML 5 Semantic tags, audio, video, table, form

6-1 audio, video, youtube video, Audio video (iframe)
6-2 HTML5 Semantic tags section article aside mark
6-3 html table tbody thead td th caption and table style

6-4 html form input label fieldset legend textarea submit
6-5 others (favicon comments attributes option closing tag)
6-6 simple navbar and share navbar with different files
6-7 add a dropdown option on mouseover
6-8 explore svg smile face using svg and where it used
6-9 canvas and the list of html tags
6-10 Module Summary HTML5

Module 7: CSS3 overflow, transition, transform, flexbox, grid layout

7-1 CSS3 Module Introduction
7-2 CSS Overflow hidden overflow scroll
7-3 Optimize images, types of images, svg, png, jpg
7-4 css transform and use multiple transform at the same time
7-5 transition of css property over time
7-6 Create simple cricket match with transition and transform
7-7 css animation and bounce effect with balls
7-8 flexbox, flex direction justify content align items
7-9 CSS Grid layout template columns grid gap
7-10 create calendar using css grid and flex box
7-11 css media query based on device and using flexbox
7-12 CSS3 and intermediate css module summary

Module 8: Responsive CSS (CSS bonus)

8-1 css position more explanation relative absolute
8-2 Apply relative position in a photo album
8-3 Apply transition transform in a practical situation
8-4 CSS Grid Layout Extra explanation and compare with flexbox
8-5 More discussion about display inline block inline-block
8-6 inline css when and how to use inline css
8-7 Use grid layout and flex layout at the same time
8-8 Use Media query to make website responsive on tablet and mobile
8-9 Set Responsive blog and shared responsiveness
8-10 how to use font awesome to show icons in your project
8-11 module summary and responsive website

Module 9: Learn and Explore Bootstrap

9-1 Getting started with bootstrap
9-2 Buttons, text color, background color, color palette
9-3 Image, responsive image, width style, image thumbnail
9-4 Website card, card design, card image, card group
9-5 Nav tag, navigation, nav bar, image slide, carousel
9-6 Responsive website, column, 12 column layout
9-7 Responsive grid, responsive breakpoints

9-8 Flex layout, element align, vertical and horizontal center

9-9 Bootstrap Overview, Module Summary

Module 10: Simple ecommerce landing page using Bootstrap

10-1 Panda commerce overview and project setup

10-2 Container, set navbar, top banner carousel, image size

10-3 Categories, gutters, flex vertical center and sound space

10-4 Shoe shopping card, card-group, card shadow

10-5 Backpack category, card footer, align button

10-5 Backpack category, card footer, align button

10-7 Footer, text center, carousel item Vertical center

10-8 Override default bootstrap style using custom CSS

10-9 Make Website Responsive, Code Recap

Module 10_5: Revision Day 2 activities

10_5-1 Revision Day 2 activities

10_5-2 Run JavaScript in Visual Studio Code to get ready

Module 11: Responsive Landing Page Assignment

11-1: Responsive landing page assignment

Assignment (2)

Module 11_5: Bonus

11_5-1 When to use bootstrap and when to use vanilla css

11_5-2 More bootstrap tooltip modal spinner progress bar

11_5-3 more bootstrap table breadcrumb pagination scrollspy

11_5-4 How to select right CSS measuring Unit

11_5-5 Write summary of important HTML CSS and Bootstrap

Milestone 3: Basic JavaScript

Module 12: Getting started with JavaScript

12-1 Module overview, Run JavaScript in VSCode

12-2 What is variable, declare a variable, see output

12-3 Variable type, Numeric, String, Boolean

12-4 variable name naming convention and best practice

12-5 explore string case change index split

12-6 integer float parseInt parseFloat type conversion

12-7 Mathematical operations in JavaScript

12-8 Math absolute round floor ceil random

12-9 Make conditional decision, if-else, comparison

12-10 Multiple conditions, fulfill both conditions, else if

12-11 JavaScript Date timezone and Module Summary

Module 13: JavaScript Fundamental Concepts

13-1 Fundamental JavaScript Module Introduction
13-2 Array, index, set by index, indexOf
13-3 Array advanced, push, pop, array length
13-4 array add and remove element from the beginning and slice
13-5 While loop, debug JavaScript code, less or equal
13-6 For loop, run a loop for each element of an array
13-7 Javascript switch case break and default
13-8 Function, call function
13-9 Function parameter, multiple parameter, function return
13-10 Comment, multiple lines comment
13-11 Object, key value pair, get object property, set value
13-12 Basic JavaScript Overview, Module Summary

Module 13_5: JS Conconcept Recap

13_5-1 What is javascript, key features of javascript
13_5-2 How javascript code executes
13_5-3 Revisit string, array, loop
13_5-4 Remove confusion with function and function vs loop
13_5-5 How to revise basic javascript concepts

Module 14: Apply JavaScript Concepts

14-1 Module Introduction Apply JS
14-2 Unit Convert Inch to Feet use variable and function
14-3 variable let and const and how to use them
14-4 check whether a year is a Leap Year or not
14-5 Calculate Factorial of a number using for loop
14-6 Calculate Factorial of a number using a while loop
14-7 Calculate Factorial in a Recursive function
14-8 Create a Fibonacci Series using a for loop
14-9 Fibonacci Element in a Recursive Way
14-10 Create Fibonacci series in a recursive way
14-11 Check whether a number is a Prime Number or not
14-12 Apply Basic JavaScript Module Summary

Module 15: JavaScript Coding Problems, Simple Interview QU

15-1 Module Introduction, Problem Setup
15-2 Swap variable, swap without temp, destructing
15-3 Random number, random number between 1 to 6
15-4 Find max of two values, find max of three values
15-5 Find the largest element of an array
15-6 Sum of all numbers in an array
15-7 Remove duplicate item from an array

15-8 Count the number of words in a string

15-9 Reverse a string

15-10 Module Summary

Module 15_5: Practice Basic JavaScript

15_5-1 How recursion works and recursion vs iterative

15_5-2 Travelling in a Jungle and counting wild animals

15_5-3 practice basic javascript milestone

Module 16: Assignment

16-1 Problem Solving assignment

Assignment (3)

Module 16_5: Basic JavaScript Bonus Module

16_5-1 How Problem Solving Important How Should I focus on it

16_5-2 Explain fibonacci series once again

16_5-3 When to use loop or condition inside a function

16_5-4 Object vs Array and access object properties

Milestone 4: Integrate JavaScript (JavaScript in a Relation)

Module 17: How JavaScript Works & DOM

17-1 JavaScript and DOM Module Introduction

17-2 VSCode extension, JavaScript code snippet, ES linter

17-3 Create Script tag and connect external Script file

17-4 How Javascript Run and why script order is important

17-5 What is DOM (Document Object Model)

17-6 Capture Elements from HTML File using getElementById

17-7 how to use getElementsByClassName and change innerHTML

17-8 How to use querySelector and querySelectorAll

17-9 node, node type, nodelist, htmlcollection, setAttribute

17-10 How to add elements to HTML using Javascript

17-11 module summary Javascript and DOM

Module 18: Function addEventListener, Event bubble

18-1 When to use a function, function inside an array

18-2 When to return from a function and from where

18-3 Callback function and pass different function

18-4 arguments and deal with unknown number of arguments

18-5 How to organize code inside a function

18-6 What is Event, different types of event in web

18-7 add event handler directly on an element
18-8 add event listener using javascript
18-9 Event bubble with example
18-10 Stop propagating event bubble
18-11 Event delegate and purpose of Event bubble
18-12 Function, Event, Event bubble module summary

Module 19: Pioneer Bank, develop a simple bank website

19-1 Project overview, Transaction and balance update
19-2 Project Setup, GitHub integration, bootstrap text align
19-3 Login window, input field, password text field, form control
19-4 Get HTML elements by tag, class or id, add event listener
19-5 CSS styles in JavaScript, dynamically hide an element
19-6 Dynamically display a hidden element using JavaScript
19-7 Deposit, withdraw, balance area, add column margin
19-8 Submit transaction, placeholder help text for input
19-9 Deposit button event handler, capture deposit amount
19-10 Get innerText using JavaScript, update text dynamically
19-11 Update two fields at the same time, create function
19-12 Money withdraw event handler, cleaner code with function
19-13 Update withdraw amount, reduce balance for withdraw
19-14 Module Summary and Overall Project Overview

Module 19_5: shopping Cart, develop an interactive Cart

19_5-1: Shopping Cart, develop an interactive Cart
19_5-2: How to start a simple Javascript project

Module 20: Revisit JavaScript and work on Shopping Cart

20-1 Module Introduction
20-2 How to learn any Programming Language
20-3 How to name parameter to make the name meaningful
20-4 How to name variable and where to declare variable
20-5 conditional code format and some feedback
20-6 function return and code format line gap
20-7 shopping cart increase case count
20-8 shopping cart handle decrease of count
20-9 calculate phone cost using same shared function
20-10 calculate all product cost, tax and grand total
20-11 when to use return and when not to use return from a function

Module 20_5: Practice session

20_5-1 How to practice integrate Javascript milestone
20_5-2 Four situation when you should create a function
20_5-3 when and how to use javascript callback function

Module 21: Assignment 4

21-1 Ticket Ninja work on either one assignment 4

Assignment (4)

Module 21_5: Integrate JavaScript Bonus Content

21_5-1 Global vs local variable IIFE function expression vs declaration

21_5-2 when and how to use arguments in a function

21_5-3 pin matcher, dom manipulation project challenge

21_5-4 Generate pin four digit pin and display it

21_5-5 Use event bubble to create calculator

21_5-6 Verify match and use function to reduce duplicate

Milestone 5: Intermediate JavaScript, API

Module 22: Modern JavaScript, ES6, ES2015

22-1 Module overview ES6

22-2 Let, const, array declared with const, object declared with const

22-3 Function default parameter for not provided values

22-4 Template string, multiple line string

22-5 Arrow function, multiple parameter, function body

22-6 Spread operator, concatenate multiple arrays, array max

22-7 Class, constructor, create object from class

22-8 Inheritance, extends class, super, class method

22-9 Destructure, Object, array, destructure complex object

22-10 ES6 Module Summary

Module 23: Intermediate JavaScript, Interview Question

23-1 Module Overview, git integration setup

23-1 Module Overview, git integration setup

23-3 Null Vs Undefined, different ways you will get undefined

23-3 Null Vs Undefined, different ways you will get undefined

23-5 map, filter, find, smart way to run for loop

23-6 Apply map, filter, find on an array of objects

23-7 Scope, block scope, access outer scope variable

23-8 Closure, encapsulation, private variable

23-9 Array slice, splice, array join elements

23-10 break continue in a for loop

Module 24: API JSON, Server Data load, dynamic website http

24-1 Module Overview, what you will learn from this module

24-2 How internet works, DNS server, hosting server, database

24-3 What is an API, the purpose of API, GET, POST

24-4 JSON, JSON Structure, parse, stringify, JSON properties
24-5 Load data, JSON placeholder, GET data, display data on UI
24-6 HTTP request, Status code, network tab, bad API
24-7 Send data to the server, HTTP POST Method, GET Vs POST
24-8 Send data to server, HTTP Post, JSON Stringify
24-9 Module Summary, API, Server Overview

Module 24_5: API practice Problem

24_5-1 Explore fun tasks with bored api
24_5-2 Explore Random User API Who Am I
24_5-3 Practice Problem Temperature Hot openweathermap api

Module 25: Object Mastering Interview Question

25-1 module introduction Object Mastering
25-2 object method property review
25-3 object use bind to borrow method from another object
25-4 difference between bind, call and apply
25-5 window, global variable, global scope
25-6 new keyword, class and object difference
25-7 how to understand the this keyword
25-8 async await how to use it for async call
25-9 Asynchronous Javascript setTimeout, setInterval
25-10 How Javascript works event loop stack and queue
25-11 JavaScript Datetime timezone and others

Module 25_5: Try Create React app Make sure it works

25_5-1 explore rest countries api and try to build something
25_5-2 Display countries name and capital
25_5-3 Create a lot of countries with style and forEach
25_5-4 Call dynamic API and show country details

Module 26: Assignment query

26-1 Hungry Monster, Cooking Master, API and ES6 related Assignment

Assignment (5)

Module 26_5: Explore Hard rock music search API Example

26_5-1 Explore Hard rock music search API Example
26_5-2 display song with style and access data from object
26_5-3 show audio preview and call lyric function
26_5-4 display lyrics using callback and async await
26_5-5 How to handle fetch error and use try catch

Module 27: How Browser Works, browser api and methods

27-1 Module Overview, ContentEditable, live edit
27-2 How Browser works, DOM tree, Render Tree
27-3 Website alert, confirmation, prompt to collect data
27-4 URL, URL parts, query string, hash, subdomain
27-5 document location, access href, hash, assign
27-6 history api, back, forward, go, history length
27-7 cookies, dev tool application tab, cookies at server
27-8 local storage, session storage, edit storage information
27-9 Browser clear cache, chrome extension, web store, restart
27-10 Browser Overview, Module Summary

Module 28: JavaScript debug, web debug, dev tool mastering

28-1 Module overview, salary app overview, git clone issues
28-2 dev tool element tab, edit HTML, get style, device tab
28-3 edit CSS style live, hover class, CSS box model, event handler
28-4 sources tab, break point, call stack, console table
28-5 console tab, preserve log, error log, console api
28-6 network tab, request method, header, response type
28-7 Performance tab, memory tab, Audit, application tab
28-8 Module Summary, Dev tool debug Overview
28-9 Check whether create react app works or not
28-10 Command line tools

Module 29: Getting started with TypeScript

29-1 Typescript related Three fun challenges Just for you
29-2 Setup typescript for local project and globally
29-3 How to create output and connect html file for typescript
29-4 Basic typescript type number string boolean
29-5 Set function parameter type and function return type
29-6 function void return and arrow function type
29-7 set type for array and objects and see the structure of type
29-8 Typescript Interface and use complex parameter type
29-9 Use type in class and explore private readonly protected
29-10 How much typescript you should know now

Module 29_5: JavaScript Day [Revision Day]

29_5-1 Debugging dev tool and bug fixing practice
29_5-2 how to start fixing bug on a website
29_5-3 fix api related issue using source and network tab
29_5-4 Implement a spinner on data load and class toggle
29_5-5 Implement Search Box click on keyboard enter

Module 30: Assignment query

30-1 Make Fancy slider fancier by fixing issues and new features

Assignment (6)

Module 30_5: JavaScript You need to know for React

30_5-1 Five JavaScript Fundamentals that you need to know

30_5-2 Array methods map filter find forEach

30_5-3 Array and object Destructuring and three dots

30_5-4 JS shortcut Ternary default parameter and or

30_5-5 Fetch JSON Localstorage object keys values

Milestone 7: Simple React

Module 31: Modern Front-end core concepts

31-1 Module overview and modern application core parts

31-2 Web component, 4 types of component, identify component

31-3 Template, dynamically create HTML elements based on data

31-4 Single Page Application (SPA), Performance benefit

31-5 Routing, Route parameter, Routing in Angular

31-6 Website state, state management, purpose of state

31-7 Charting framework, d3js, nvd3, chartjs

31-8 Simple Angular Application, angular cli, routing

31-9 Module Summary

Module 32: React Core Concepts, JSX, props, state

32-1 React Core concept module overview

32-2 Install React App use create react app

32-3 Create react app folder structure and favicon

32-4 JSX, Dynamic content, Dynamic Style in React

32-5 Component, 4 ways to identify a component

32-6 Create Component, return multiple HTML from a component

32-7 Pass dynamic data to components, props in react

32-8 Pass object to components and access object

32-9 Create multiple components from an array of objects

32-10 Introduction to Component state

32-11 Component state hook and set state method

32-12 Load dynamic data, API call useEffect integrate state

32-13 Module Summary React Core Concepts

Module 33: How React works, Recap React Concept

- 33-1 Module Introduction How React Works
- 33-2 What is React
- 33-3 Library vs Framework
- 33-4 Angular vs react vs vue which one to learn
- 33-5 Install React and React Component Recap
- 33-6 Pass data through Props in React
- 33-7 How to write and destructure usestate
- 33-8 Event handler state update and pass state Recap
- 33-9 How React works virtual dom diff algorithm fiber
- 33-10 Render multiple component from an array recap
- 33-11 Load data from API using useEffect recap
- 33-12 Module Summary Recap and How React Works

Module 33_5: Practice

- 33-5-1 Practice and React React Core concepts

Module 34: React SPA with Multiple Components(**Ema John**)

- 34-1 React Core concept module overview
- 34-2 Install react set favicon and get resources
- 34-3 Editor setup, default project setup clean
- 34-4 Create a component, folder structure, website logo
- 34-5 Setting up logo position, navigation, nav menu
- 34-6 Create Shop Component, load data and set state
- 34-7 Component layout, use flexbox, setup area container
- 34-8 Product Component, send dynamic data by props
- 34-9 Display more information in the Product Component
- 34-10 Install third party library, font awesome, react-fontawesome
- 34-11 Pass eventhandler to child component and handle event
- 34-12 Cart state setup and update cart state on add to cart button click
- 34-13 Total Product price, shipping cost, Tax and total price
- 34-14 Simple React SPA module summary

Module 34_5: Simple React SAP Practice

- 34_5-1 Ultra Nation load countries data using useEffect
- 34_5-2 display loaded data in a simple way
- 34_5-3 Create child component and pass data
- 34_5-4 pass multiple data to a child component
- 34_5-5 how to add shared eventhandler
- 34_5-6 Create shopping cart and use array reduce
- 34_5-7 build your react app and host your react app in Netlify
- 34_5-8 how to create fake data in Javascript to use in React
- 34_5-9 React SPA practice to create a user collection

Module 35: React SPA Assignment 7

35-1 How to create github classroom assignment private repo

35-2 Simple React Assignment to create team selection

Assignment (7)

Module 35_5: Simple React Bonus

35_5-1 Explain reduce of an array with example

35_5-2 Where to declare event handler and make arrow function

35_5-3 Build team and how react works

Milestone 8: Intermediate React

Module 36: React Bootstrap, Material UI, Axios, Rechart

36-1 Module Introduction React Bootstrap

36-2 use Bootstrap in your react application

36-3 getting started with react bootstrap

36-4 use jumbotron from react bootstrap

36-5 use multiple react bootstrap component

36-6 React Fragment empty element

36-7 getting started with Material UI

36-8 load data and display Material UI card

36-9 Use recharts to draw any type of chart using React

36-10 introduction to axios advance data loading system

36-11 Module summary

Module 37: React Routing, State management

37-1 Module overview Routing Devtool and share state

37-2 React Router, Install React Router Dom

37-3 Setup Router, Router path, exact path not found path

37-4 Dynamic path, set route path parameter

37-5 Load data based on route parameter, conditional formatting

37-6 Different ways to handle state, Make button navigate to a route

37-7 Save state on Localstore, store key and count, virtual DOM

37-8 Retrieve data from local storage, set cart from saved state

37-9 Review Component, Review Items, CSS in JavaScript style

37-10: module summary

Module 38: More Router, React Devtool, conditional format

38-1: Module Introduction

38-2 Remove from cart, pass parameter on click, remove from state

38-3 Share components among multiple routes, share data on cart.

38-4 React Developer Tool, Chrome extension, Refactor add to Cart.

38-5 Sync state in multiple routes, calculate total price in review page.
38-6 Please Order, Clear state, show conditional image.
38-7 Review of route dynamic parameters and useParams
38-8 react router nested routes
38-9 Explore more about Conditional Rendering
38-10 Module summary

Module 38.5: React Router Practice Day

38_5-1 project setup and react router installation
38_5-2 setup simple react router with root and no match
38_5-3 create route parameter and read from route parameter
38_5-4 two ways to navigate dynamic route
38_5-5 Rest Countries React Router Practice Problem

Module 39: Context API

39-1 Module overview about state management
39-2 Share state with sibling component
39-3 Share data to grandchildren
39-4 Context api set dynamic data
39-5 Update context API from any child Component
39-6 Filter data based on dynamic context change
39-7 Shortcut destructuring of props

Module 39_5: React Router Practice

39_5-1 How localStorage and sessionStorage works
39_5-2 explain props and data flow parent to child
39_5-3 useState useEffect useParams useHistory hook overview
39_5-4 Create social buddy simple route
39_5-5 Social buddy route parameter and dynamic data load
39_5-6 Deploy react router app to netlify

Module 40: Assignment 8

40-1 Social buddy react router material ui assignment
40-2 Sports Mania React Router Assignment
40-3 Optimum Strategy to work on development project

Assignment (8)

Module 40_5: Bonus Content

40_5-1 How to implement Facebook Like button
40_5-2 Handle multiple data loading style and nested data access
40_5-3 Why useState useEffect are called Hook
40_5-4 Revisit shopping cart calculation and reduce

40_5-5 Handle cannot read error using optional chaining
40_5-6 Implement search functionality in a react application

Milestone 9: React Authentication

Module 41: Simple React Firebase Authentication

41-1 Module Introduction, authentication vs Authorization
41-2 Create firebase project, Google Analytics Overview
41-3 sign in method setup and email verification template
41-4 Create simple authentication project, firebase config
41-5 Install firebase, initialize firebase app
41-6 Sign in with google, open google login popup
41-7 Set logged in user in state, display logged in user info
41-8 Not google user login, signout user
41-9 Module Summary

Module 42: Login Form and Route Integration

42-1 Module Introduction Login form
42-2 Create simple login form email and password
42-3 form field validation using regular expression
42-4 Update State from Form Field
42-5 create new user and handle error message
42-6 toggle sign in and sign up form
42-7 Update user name and other information to firebase
42-8 How to handle facebook login
42-9 Module Summary

Module 42_5: Firebase Recap and Practice

42_5-1 Implement Simple Google authentication system
42_5-2 Implement Facebook authentication
42_5-3 Implement github authentication system
42_5-4 deploy react app to firebase
42_5-4 deploy react app to firebase

Module 43: Shared auth and Private Route

43-1 Module Introduction Auth Integration
43-2 Create login route and set login form
43-3 Create user context and set logged in user in context
43-4 Create Private Route and set auth Redirect
43-5 Redirect to the initial page and use Router Link
43-6 [optional] refactor Login manager to modularize code
43-7 [optional] more refactoring of sign in method
43-8 Implement signout and redirect from private route
43-9 Create shipment form using React hook form

43-10 Module Summary

Module 43_5: Firebase auth Recap

43_5-1 Module Introduction

43_5-2 get simple google login auth set

43_5-3 create user context to share it with multiple components

43_5-4 create private route to protect a path

43_5-5 another recap of firebase auth integration

Module 44: React Auth Assignment 9

44-1 Urban Ride or Metro Tickets React Auth Assignment

44-2 How to think manage a simple development project

Assignment (9)

Module 44_5: Bonus Content

44_5-1 How to display a location on a Google Map

44_5-2 Display Driving Direction and Route on Google Map

44_5-3 Dynamically search and display travelling route on Google Map

44_5-4 Display a loading spinner on a React Component

44_5-5 Update Title based on component

Milestone 10: Full-Stack (Server, Database)

Module 45: Node, Express, Get API, Post API, Postman

45-1 Module overview Introduction to Node

45-2 Install express, start a server, your first api

45-3 how to publish node project in git

45-4 install nodemon, api return object, create multiple api

45-5 dynamic api, api parameter, access params, access query

45-6 use fetch to load data from server, middleware, handle cors

45-7 create POST api, install postman, read post data, use body parser

45-8 post data from website and read post api response

45-9 Node express module summary

Module 46: Mongodb, cloud database integration, environment variable

46-1 Mongodb and mongo atlas module overview

46-2 Install mongodb, create mongodb atlas account

46-3 Connect to cloud database introduction to CRUD

46-4 Send data to database and read data from ui

46-5 Save data in database and Read all data

46-6 Load data database data and show on the UI

46-7 Delete an item from the database from UI

46-8 Load single product from database using id
46-9 Update or modify a single item and save database
46-10 Make CRUD operation working smoothly
46-11 Module summary and CRUD overview

Module 47: Secure a Node API using JWT token

47-1 Module introduction and project setup
47-2 Create booking field and front end setup
47-3 Create server connect mongodb and verify connection
47-4 Send data to database and store in mongodb
47-5 Load filtered data from database for a specific user
47-6 Introduce JWT token and get jwt token on client side
47-7 Verify jwt token in the server end using firebase admin
47-8 Send 401 unauthorized status and refresh token concept
47-9 Set environment variable and hide sensitive information
47-10 Module summary and code review

Module 48: E-commerce site Node and Mongodb integration

48-1 Module Introduction ema-john server
48-2 connect database and create post endpoint
48-3 insert bulk data many data to the database
48-4 load data from the server
48-5 load some products using keys
48-6 Handle Inventory and how to store image on server
48-7 Save orders in a new data collection in mongodb
48-8 A simple overview of node mailer to send email
48-9 A simple introduction to mongoose
48-10 Module Summary and folder architecture

Module 48_5: Deploy to Heroku and Practice Problem

48_5-1 Introduction to Heroku setup account and initial deploy
48_5-2 how to publish and update heroku deployed server
48_5-3 deploy client side project to firebase with server side url
48_5-4 Volunteer network client and server side setup
48_5-5 Connect database server and implement react hook form
48_5-6 Upload images in third party hosting like imgbb
48_5-7 Upload events with image link to database
48_5-8 Display hosted images in the client side and delete event

Module 49: Full Stack Milestone Assignment

49-1 Fresh Valley Or Book Shop Full Stack Assignment
49-2 How To Start Full Stack Project And Handle Error

Assignment (10)

Milestone 11: Complete Website

Module 50: Integrate Stripe Payment gateway (SSLCommerz)

- 50-1 Module Overview and Payment gateway introduction
- 50-2 stripe account install stripe and stripe for react
- 50-3 create payment Process component with simple card form
- 50-4 Use detail credit card form and avoid login after page refresh
- 50-5 Handle payment processing error and success
- 50-6 conditional payment form and store payment data on database
- 50-7 Get a high level overview of Bangladeshi Payment Gateway
- 50-8 How to implement search that loads data from database
- 50-9 A brief introduction to higher order component
- 50-10 Module summary

Module 51: Complete Website Project part-1

- 51-1 module introduction
- 51-2 set navbar and header main component
- 51-3 apply partial background of common components
- 51-4 Set multiple business info components
- 51-5 dynamically style business info and infocard
- 51-6 set services and related data with style
- 51-7 complete testimonials blogs and a few more components
- 51-8 Module Summary

Module 52: Complete Website Project part-2

- 52-1 Module Introduction and Shared Components
- 52-2 Create Appointment header and react calendar
- 52-3 Set bookings with selected date and style booking card
- 52-4 Display a modal form on appointment click
- 52-5 Style Modal form and Extract data to send to server
- 52-6 Create Server to store appointment in a database
- 52-7 send appointment and save to database
- 52-8 set untidy dashboard with three columns
- 52-9 Display appointments for the selected date
- 52-10 Module summary and your homework

Module 52_5: Manage Image Upload and Admin Panel

- 52_5-1 Create Admin page to upload image to the server
- 52_5-2 Save uploaded image to the server
- 52_5-3 display sensitive information to admin only
- 52_5-4 Set admin panel with limited access based on permission
- 52_5-5 Store image directly on mongodb and display them
- 52_5-6 A small brief about google analytics lighthouse and page performance

52_5-7 Responsive App React Animation Unit Test

52_5-8 Deploy doctors portal client to firebase and server to heroku

Module 53: Creative Agency Assignment 11

53-1 An overview and interesting angle of this assignment

53-2 Get design idea from other sources and craft your own

53-3 Core functionality requirements of the assignment

53-4 assignment bonus marks things to submit

Assignment (11)

Milestone 12: Interview and Hiring

Module 54: Simple Introduction to React Native and Next JS

54-1 Getting started with React Native and create your first app