

Unwired Learning

Complete Frontend Development with React & JavaScript (Learning Path Curriculum)



Doubt in mind?
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(Check Page 26 For Certificate information)



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<https://unwiredlearning.com/membership>

Level - 1

HTML5 & CSS3 Masterclass: Build Responsive Website

Course Introduction

- Introduction & Curriculum Walkthrough
- Welcome - Let's Get Started!

Resources & Setup

- Resources [Important]
- How Web Works? [Optional]
- Environment Setup

HTML Fundamentals

- HTML Introduction
- Head Section
- Common HTML Tags
- Media Tags
- Linking Page
- Forms I
- Forms II
- Comments
- List
- Tables
- Inline and Block
- Id & Classes

HTML Semantics

- Semantics I
- Semantics II
- HTML Entity

CSS Fundamentals 1.0

- Introduction to CSS
- CSS Types and Order

- Selectors
- Selector Game I
- Selector Game II
- Specificity
- Common Properties

CSS Fundamentals 2.0

- Box Model
- Box Sizing
- Box Model Values
- Unit Values

CSS Fundamentals 3.0 (Display & Positions)

- Display
- Display vs Visibility
- Position
- Z Index
- Pseudo Elements & Pseudo Classes

CSS Fundamentals 4.0 (Responsive Web Design)

- Responsiveness: Media Query
- Viewport Units: Height & Width

Project 1 - Profile Card 🎉

- Project Source Code - GitHub
- Transform
- Position
- Google Font
- Button Design
- Margin Auto vs Text Align Center
- Box Shadow
- Icons
- Color Suggestion
- CSS Sequence: Advice

Project 2 - Login Page 🎉

- Project Source Code - GitHub

- Background Gradient
- Input Fields
- Forgot Password
- Login Button
- Min Max Width

Layout 1 - Flexbox

- Flexbox Introduction
- Parent Properties
- Child Properties
- Flexbox Tool
- Flexbox Game

Project 3 - Spotify Clone Using Flexbox 🎉

- Project Source Code - GitHub
- Flexbox Project
- Header I
- Header II - Logo
- Main I
- Main II
- Background Image
- Footer I
- Footer II
- Footer III
- Footer IV
- Responsive Design: Main
- Responsive Design: Header
- Responsive Design: Footer
- Variables I
- Variables II

CSS Advanced 1.0

- Backgrounds
- Background Clip
- Background Shorthand
- Transform
- CSS Art: Border and Border Radius

- CSS Art: Border Radius
- CSS Art: Designing Shapes

CSS Advanced 2.0 (SVG - Scalable Vector Graphics)

- SVG: Fundamentals
- SVG: Design & Tools

CSS Advanced 3.0 (Transition & Animation)

- Transition
- Animations I
- Animations II

Layout 2 - CSS Grid

- CSS Grid Introduction
- Row and Columns
- Common Properties
- Shorthand Property
- Grid Template Area
- Nested Grid
- Align Properties
- CSS Grid Game
- Autofit vs Autofill

Browser Compatibility

- Browser Compatibility - Vendor Prefix Code

Project 4 - Testimonial Page Using CSS Grid 🎉

- Project Source Code - GitHub
- CSS Grid Project
- Feedback Card
- Utility CSS
- Mobile Responsive

SASS - CSS Preprocessor

- SCSS/SASS Introduction
- Concepts - Variables, Nesting
- Concepts - Partials, Modules

- Concepts - Extend/Inheritance
- Concepts - Mixins and Operators

Project 5 - Portfolio Website Using Bootstrap 🎉

- Project Source Code - GitHub
- Bootstrap Introduction - Project Demo
- Utilities
- Layouts - Container, Grid
- Components
- Portfolio Project: Main Section
- Portfolio Project: About/Blog Section
- Portfolio Project: Contact Section
- Portfolio Project: Footer
- Portfolio Project: Project Section
- Project Completion


Project 6 - EdTech Startup Landing Page 🎉

- Project Source Code - GitHub
- EdTech Landing Page
- Initial Project Setup
- Navigation
- Banner Section I
- Banner Section II
- Transition, Transform, Animation
- Building Theme
- Stats Section I
- Stats Section II (Flexbox)
- Information Section
- Working Section (CSS Grid)
- Footer (SVG)
- Animate CSS (CSS Library)
- Scroll Bars
- Responsiveness I - Media Queries
- Responsiveness II - Media Queries
- Hamburger Menu I
- Hamburger Menu II

Deployment - Your Website On Web

- Project Deployment Using Netlify

Course Completion Certificate

- HTML5 & CSS3 Masterclass: Web Development Foundation 

Level - 2

JavaScript Masterclass: Basics To Advanced With 10 Projects

Introduction & Resources

- Course Introduction
- Welcome - Let's Get Started!
- Resources [Important]
- Resources [Important]

JavaScript Basics

- JavaScript Basics
- Environment Setup
- How To Run JavaScript Files?
- Browser Console
- Variables, Constants & Comments
- Naming Convention
- Data Types
- Strings
- String Methods
- Numbers
- Template Literals
- Arrays
- Null & Undefined
- Booleans & Comparisons
- Loose vs Strict Comparison
- Type Conversion

Control Flow

- Control Flow
- For Loop
- For Loop (in & of)
- While Loop
- Do While Loop
- If Statements
- Else & Else If

- Logical Operators
- Logical NOT
- Break & Continue
- Switch Statements
- Scope (Global & Local)
- Ternary Operator

Functions

- Functions - I
- Functions - II
- Arguments & Parameters
- Returning Values
- Arrow Functions
- Functions & Methods
- forEach Method & Callbacks
- forEach Method

Object Literals

- Object Literals - I
- Object Literals - II
- Methods
- 'this' Keyword
- Objects in Arrays
- Math Object
- Primitive vs Reference Types - I
- Primitive vs Reference Types - II

Document Object Model

- DOM Introduction
- DOM In-depth
- Query Selector
- Selectors
- Controlling Content (Add/Delete)
- Attributes (Get/Set)
- Changing CSS Styles
- Classes (Add/Remove)

- Relationships (Parent/Child/Siblings)
- Events - I
- Events - II
- Creating & Removing Elements
- Event Bubbling & Delegation
- More DOM Events

Form & Form Events

- Events Inside Forms
- Submit Events
- Regular Expressions
- Testing RegEx Patterns
- Basic Form Validation
- Keyboard Events
- Events on HTML Page

Project: Quiz Application 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Working With Answer
- Score Update
- Reload
- Final Demo
- Project Deployment Using Github & Netlify

Array Methods

- Filter Method
- Map Method
- Reduce Method
- Find Method
- Sort Method
- Reverse Method
- Chaining Methods

Project: Todo List Manager 🎉

- Project Source Code - GitHub

- Project Demo
- Template Structure [Optional]
- Add Task
- Delete Task
- Update Task Count
- Search Task I
- Search Task II: Case Sensitive
- Project Deployment Using Github & Netlify

Dates & Times

- Dates
- Times

Local Storage

- Local Storage
- JSON

Project: Budget Tracker 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Add Transaction
- Transactions on localStorage
- Income & Expense List
- Get Transactions
- Delete Transaction
- Update Statistics
- Empty Transactions
- Project Deployment Using Github & Netlify

Object-Oriented Programming

- Object-Oriented Programming - I
- Object-Oriented Programming - II
- Object Literals Again!
- Classes
- Methods

- Inheritance - I
- Inheritance - II
- Prototype Model
- Prototype Inheritance
- Built-in Methods
- Static Keyword
- Getter & Setter

Error Handling & Exceptions

- Error Handling
- Exceptions

Modules

- Module - I
- Module - II

Project: Kanban Application 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Kanban Flow
- Class & Function
- Get Task
- Insert Task
- Delete Task
- Update Task
- Task Card
- Task Count
- Form: Add Task
- Form: Edit Task
- Form: Delete Task
- Drag-Drop Task Card
- Project Deployment Using Github & Netlify

Asynchronous JavaScript

- Asynchronous JavaScript
- setTimeout

- setInterval
- Callbacks & Callback Hell
- Promises
- Promises All
- Async & Await
- API / JSON Data
- Fetch API
- Fetch API - Methods

Project: News Portal 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Working With News API
- Fetch News Data
- News Categories
- Backup Data
- Category Request
- Project Deployment Using Github & Netlify

Babel

- Installing Node.js
- Babel Introduction
- Babel CLI
- Babel
- Folder Structure

Webpack

- Webpack
- Loaders
- Mode
- Webpack Dev Server
- Webpack Boilerplate Code

Firebase

- Firebase Introduction
- Webpack Setup

- Firebase Setup
- Firebase Connection
- Fetching Documents - I
- Fetching Documents - II
- Adding & Deleting Documents
- Snapshots
- Firestore Queries
- Ordering Data
- Updating Documents
- Fetching Individual Document
- Authentication - I
- Authentication - II

Project: Bookmark Manager 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Firebase Setup
- Access Document
- Delete Document
- Filter Documents
- Project Deployment Using Github & Netlify

Project: notNotion 🎉

- Project Source Code - GitHub
- Project Demo
- Template Structure [Optional]
- Navbar, Modals & Accordions
- Swipe Library - I
- Swipe Library - II
- Merge All Projects
- Project Deployment Using Github & Netlify

Course Completion Certificate 🎓

- JavaScript Masterclass: Zero To Job Ready With 10 Projects 🏆

Level - 3

React JS Masterclass: Basics To Advanced With 10 Projects

Introduction & Resources

- Course Introduction
- Welcome To Course
- Resources [Important]
- Resources [Important]

React Basics & Setup

- React Introduction
- Environment Setup
- Create React App / Set React App
- React Behind The Scene
- React Boilerplate
- Components: Class & Function Based
- JSX: In-depth Introduction
- Practice: Basic Template Structure

States and useState

- Why We Need States?
- State Introduction: useState
- useState: Multiple Updates
- useState: Array State Value
- useState: Array setState Value
- Conditional Templates
- Quick Hook Advice

Components & Props

- Multiple Components & Fragments
- Props: In-depth Introduction
- Props: Children
- Prop Drilling

Styling React Application

- Global Level Styling
- Component Level Styling
- Inline Level Styling
- Dynamic Level Styling
- Module Level Styling

User Input, Events & useRef

- Forms & Input
- onChange Event
- Controlled Inputs
- onSubmit Event
- Add New Task
- useRef Hook

useEffects, useCallback and Custom Hooks

- JSON Server
- useEffect Hook
- React StrictMode
- List Output
- onClick Event
- useCallback Hook
- Custom Hook (useFetch)
- Loading State
- Handling Errors (try/catch)
- Aborting Fetch Request
- Infinite Loops

Project: TaskMate 🎉

- Project Source Code - GitHub
- TaskMate Demo
- Project Structure
- Components
- State: tasklist & setTasklist
- Function: Edit & Delete

- Warning: Undefined Value
- Update Button
- Local Storage: Store All Tasks
- Theme: Change Background
- Project Deployment

React Router

- React Router Introduction
- React Router Setup
- Project Structure
- Navigation
- Route Parameters
- No Route Found
- Nested Routes
- Project Restructuring

Tailwind CSS Crash Course

- Introduction & Demo
- Common Properties
- Hover, Focus, and Other States
- Responsive Design
- Dark Mode
- Custom Configuration
- Project Demo
- Header & Hero Section
- Footer
- Responsive Screen & Component Tools

Movie API Project: Cinemate 🎉

- Project Source Code - GitHub
- Cinemate Demo
- Project Setup
- Tailwind Introduction
- TMDB API: Documentation
- UI Design (Tailwind & Flowbite)
- Navigation Structure

- Dark Mode Integration
- Movie List Structure
- API Fetch: Movie List
- Custom Hook: useFetch
- API Fetch: Movie Search
- Tailwind CSS Customization
- Page Not Found
- Individual Movie Information
- Scroll Restoration: Scroll To Top
- Dynamic Page Title
- Style Update
- Project Deployment
- Development Branch On Git & GitHub
- Solved: Netlify Error

Assignment: Shopping Cart 🎉

- Assignment Statement & Demo
- Solution: Project Setup
- Solution: Components
- Solution: Pages
- Assignment Deployment

Context & Reducers Project: Shopping Cart 🎉

- Global State Management
- Project Structure
- Context
- Reducer
- Methods
- Project Deployment

Redux Project: Shopping Cart 🎉

- Redux Introduction
- Project Structure
- Slice & Action
- Reducers: Add & Remove
- Redux Store State

- Project Deployment

E-Commerce Project: Codebook 🎉

- Project Source Code - GitHub
- Codebook Demo
- Installations
- Project Structure
- Header Component - I
- Header Component - II
- Home Page
- Products Page
- API: Product List
- Rating Component
- Individual Product Component
- Dark Mode
- ScrollToTop Component
- Product Search
- Dynamic Title
- Filter: Context & Reducers
- Filter: Initial Product List
- Filter: Properties
- Clear Filter
- Dropdown Option
- User Account & Cart
- Login & Registration Page
- React-Toastify
- API: Login/Register End Point
- Session Storage
- Toggle Dropdown (Hide)
- Cart Interface
- Cart: Context & Reducers
- Cart: Provider
- Add To Cart
- Condition Check: Already In Cart
- Out Of Stock Products
- Protected Routes
- Checkout Modal

- Undefined Value Warning
- Order Submit Function
- Order Page
- Dashboard: Condition 1
- Dashboard: Condition 2
- Auth Service: API End Points
- Data Service: API End Points
- Product Service: API EndPoints
- Page Not Found
- Dynamic Page Title
- Error Handling
- ENV
- Frontend Deployment
- Backend Deployment
- Update Environment Variables
- Login As Guest
- Solved: Netlify Errors

Assignment: Word Counter 🎉

- Statement & Demo
- Solution: WordCount

React Testing Library & Jest

- Testing Introduction
- React Testing Library & Jest
- Project Setup
- Testing Structure
- Test: Component Rendering
- Test: Fire Events & User Events
- Queries, Type, Expect & More
- Test: API Async Loading
- Test: Page Component Wrapper

Firestore Crash Course

- Firestore Introduction
- Webpack Setup

- Firebase Setup
- Firebase Connection
- Fetching Documents - I
- Fetching Documents - II
- Adding & Deleting Documents
- Snapshots
- Firestore Queries
- Ordering Data
- Updating Documents
- Fetching Individual Document
- Authentication - I
- Authentication - II

Blog Project: WriteNode 🎉

- Project Source Code - GitHub
- WriteNode Demo
- Project Structure
- Project Styling
- Homepage
- Firebase Setup
- Firebase Configuration
- Conditional Auth Header
- Create Blog Post
- Error: Object Fetch
- Toggle Update
- Dynamic Page Title
- React Loading Skeleton
- Project Deployment

Course Completion Certificate 🎓

- React JS Masterclass: Zero To Job Ready With 10 Projects 🏆

Level - 4

Git & GitHub Masterclass: From Basics to Advanced

Course Introduction

- Course Introduction
- Welcome - Let's Get Started!
- Resources [Important]

Git Introduction

- Git Introduction and Version Control System
- Installation & Setup
- Configuration

Commands & Lifecycle

- Basic Commands & Lifecycle
- Push Changes On GitHub
- Practice: Common Commands
- Git Lifecycle In-depth
- Commit Timeline

Other: Diff, Stash & Restore

- Git Diff
- Git Stash
- Git Restore

Git Branches

- Introduction to Git Branches
- Feature Branch
- Pull Changes & Merge Branch
- Git Pull Command

Merge Conflicts

- Introduction: Merge Conflict
- Solving: Merge Conflict

- Delete Merged & Unmerged Branches
- Push Changes to GitHub
- Pull Changes from GitHub
- Always Pull Before You Push

Rebase

- Git Rebase Introduction
- Rebase Merge Conflict
- Difference Between Merge & Rebase

Git Files

- Git Ignore
- Git README

Other: Squash, Revert & Reset

- Git Squash
- Git Revert
- Git Reset

Tag, Releases & Commits

- Git Tag & GitHub Releases
- Git Checkout Tag/Commit/HEAD

Git Clone

- Git Clone: Any Repository
- Git Clone: Own Repository

Open Source Contribution

- Open Source Contribution
- Pull Changes
- Merge Conflict on Pull Request
- Structured Pull Request

Assignment: Create Pull Request 🎉

- Create Pull Request

Workflows

- Git & GitHub Workflow

[Optional] Super Charge GitHub 🎉

- Demo: Project & Profile README
- Profile README
- Project README

Course Completion Certificate 🎓

- Git & GitHub Masterclass: From Basics to Advanced 🏆

Level - 5

Job Search & Resume Building: Preparation For Freshers

Course Introduction

- Course Introduction
- Access Resources

Profile Building

- Section Introduction
- Github Profile README
- Github Project README
- LinkedIn
- Blog
- Twitter
- Freelancing

Resume Building

- Resume Basics
- Resume Content
- Resume: Building First Version
- Resume Examples
- Resume Templates
- Resume Checklist

Searching Internship

- Internship Search - 1
- Internship Search - 2
- Internship Search - 3
- Internship Search - 4

Random Questions

- Section Introduction
- Should You Join Unpaid Internship?
- Building Experience As A Beginner?

Certificate Information

1. The complete roadmap is divided into 5 different levels according to concepts and projects.

2. Each level is independent,

Level 1 - HTML5 & CSS3 Masterclass: Build Responsive Websites 🏆

Level 2 - JavaScript Masterclass: Basics To Advanced With 10 Projects 🏆

Level 3 - React JS Masterclass: Basics To Advanced With 10 Projects 🏆

Level 4 - Git & GitHub Masterclass: From Basics to Advanced 🏆

Level 5 - Job Search & Resume Building: Preparation For Freshers 🏆

Here '*trophy emoji*' represents a certificate.

3. You will get access to certificates instantly after completing the course lectures.

4. For more information about topics, projects and course flow, check the individual course page.