



# SOMAKODI

BROCHURE

## WEB DESIGN & DEVELOPMENT

Somakodi's Web Design and Development Program is a practical, hands-on course designed to prepare learners for a successful career in the digital and tech space. Focused on building job-ready skills, the program combines expert instruction, real-world projects, and personalized career support to help you break into the field of web development with confidence.

Whether you choose to learn in-person or join our interactive online classroom, the program is structured to guide you step-by-step from beginner to job-ready. By the end of the course, you'll have a solid foundation in web design principles, front-end and back-end development, and hands-on experience with industry-relevant tools, programming languages, and frameworks all aligned with what today's employers are looking for.

## PREREQUISITES

This is a beginner-friendly program with no prerequisites, although many students have engaged in self-learning previously or have worked at tech startups or in tech-adjacent roles. Whether you're new to the field or you're looking to formalize your practice, our curriculum helps you become fluent in the languages, frameworks, and libraries that modern employers demand and put them to work.

## Why learn Web Design & Development

### 1. High Demand Career

Every business, organization, and brand needs a strong online presence. Skilled web designers are in demand across industries — from tech startups to nonprofits and government agencies.

### 3. Flexibility and Remote Work

Many Web developers roles offer the option to work remotely or freelance, giving you control over your schedule and location.

The skills are also globally applicable, allowing you to work for companies anywhere in the world.

### 5. Entrepreneurial Potential

With coding skills, you can launch your own apps or tech businesses with relatively low startup costs. Many successful tech startups started with just one or two Web developers

### 2. Blend of Creativity and Technology

Web design allows you to use both your creative and analytical sides — combining visual aesthetics with problem-solving, coding, and user experience design.

### 4. Versatile and Evolving Career Paths

Web design opens the door to roles like front-end developer, UX/UI designer, WordPress developer, or freelance web designer. It's a skill set that can launch a flexible and well-paying tech career.

### 6. Creativity and Real-World Impact

It combines problem-solving, design, and innovation. You get to create, test, and iterate like building with digital LEGO.

## Why Study at Somakodi SChool

Somakodi is one of the most successful tech boot camps in Kenya. Join us and get top-tier learning & student experience.



Professional and experienced team



Practical hands-on learning



Enhanced digital-first learning



Financial Aid Opportunities



Immersive Curriculum



Job placement support

## Who is this course for?

- **High School Graduates:** Ideal for recent high school graduates looking to explore and gain early experience in a promising field.
- **University Ongoing Students & Graduates:** seeking to bridge the gap between academic knowledge and practical, job-ready skills in Web Development.
- **Professionals looking to upskill and enhance their career and earnings**
- **Anyone curious about Web Development.**

## What are the requirements for learners?

- **Have Basic computer skills**
- **Knowledge of the English language both Spoken and written**
- **Have a Desktop computer or Laptop with stable internet access.**
- **Desire and curiosity to learn.**

## Web Design and Development Course Overview

- **Course Model :** Live classes and 100% Online
- **Learning Duration :** 3 - Months
- **Classes Schedule :** Monday - Friday
- **Class Timings :** Flexible Schedule
- **Program Fees :** Kes. 40,000/=

```
OPEN EDITORS
GROUP 1
JS DarkMode.js src
GROUP 2
JS index.js src
REBASS
OUTLINE
Filter
  ↗ <function>
  ↗ <function>
  ↗ <function>
  ↗ next
  ↗ <function>
1 import React from 'react'
2 import { ThemeProvider } from 'styled-components'
3 import { Box } from 'grid-styled'
4
5 import { invertLuminance } from './colors'
6 import defaultTheme from './theme'
7
8 export const invertTheme = (theme = defaultTheme) => {
9   const { colors = {}, ...rest } = theme
10  const next = Object.keys(colors)
11    .reduce((a, key) => {
12      a[key] = invertLuminance(colors[key])
13      return a
14    }, {})
15
16  return {
17    ...rest,
18    colors: next,
19  }
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82 test('Provider renders with custom theme', () => {
83   const json = render(<Provider
84     theme={{
85       fonts: [],
86       fontSizes: [
87         12, 16, 18, 24, 36, 48, 72
88       ],
89       space: [
90         0, 6, 12, 18, 24, 30, 36
91       ]
92     }}>/>).toJSON()
93   expect(json).toMatchSnapshot()
94 })
95 })
```

**Throughout this expert-designed program, you'll:**

 **Foundations of Web Design:**

Understand key design principles such as layout, color theory, typography, spacing, and visual hierarchy to create clean, user-friendly websites.

 **HTML & CSS:**

Learn to structure web pages using HTML and bring them to life visually with CSS, including responsive design for mobile devices.

 **User Experience (UX) and User Interface (UI) Design:**

Gain skills to design intuitive, accessible, and aesthetically pleasing websites focused on user needs and behaviors.

 **JavaScript Fundamentals:**

Bring interactivity to websites using JavaScript – from simple animations to dynamic forms and responsive features.

 **Front-End Frameworks:**

Get hands-on with modern frameworks like Bootstrap and React to speed up development and build scalable, component-based web apps.

 **Version Control with Git & GitHub:**

Collaborate on code and track changes using Git and GitHub – essential tools for any modern web developer.

 **Web Hosting & Deployment:**

Learn how to host your website online, manage domains, and deploy projects using platforms like GitHub Pages, Netlify, or Firebase.

 **Industry Tools & Best Practices:**

Work with tools like Figma (for design mockups), Chrome DevTools (for debugging), and VS Code (for coding) while following best practices in web accessibility, performance, and SEO basics.

 **Portfolio Development:**

Build and publish real-world projects that showcase your skills and can be shared with employers or freelance clients.

# CURRICULUM OVERVIEW

## Onboarding

- Course Overview
- System configurations and installations
- Digital learning orientation
- Introduction to FullStack Web Development

## Web Design

- Get acquainted with common developer tools ( Chrome Developer Tools, text editors, code linters)
- Learn to navigate a computer file structure and configure development environments.
- Leverage Git and GitHub to manage work.
- Start coding using HTML, CSS, and JavaScript.
- Learn troubleshooting and debugging techniques.

## Front-End Development

- Dive into fundamental programming concepts (functions, control flow, variables, scope, etc.) using JavaScript.
- Get acquainted with front-end templating and Incorporate new patterns into front-end architecture, including custom behaviors, client-side models and data binding, form validation, state management, and AJAX (Asynchronous JavaScript and XML).
- Learn to integrate dynamic data into interactive websites using APIs
- Gain an introduction to project design, project planning, and project management techniques engineers use on the job, including wireframes and user stories
- Incorporate authentication capabilities into sites and applications (i.e., user logins, encrypted passwords, etc.).

## Soft Skills Training

- Soft skills essential for career advancement.
- This unit focuses on enhancing various aspects, including self-leadership, effective collaboration, impactful communication, entrepreneurial mindset, proficient project management, and career readiness.



# SOMAKODI SCHOOL ADMISSION

## WHERE LEARNING COMES TO LIFE!

A hub of academic excellence, creativity, and personal growth! We invite prospective students and families to embark on an exciting educational journey with us.

### Why Choose Somakodi School?

- Academic Excellence
- Inclusive Community
- Holistic Development
- State-of-the-Art Facilities

Join Somakodi School and let your educational journey begin

### What are the benefits of online learning?

- Flexibility and Convenience
- Personalized Learning Experience
- Develop Self-Discipline and Tech Skills
- Cost-Effective