



G-CITI CAMPUS

Changing Lives Through Technology

HTML5 App Development Course Distance Learning



What is HTML5 Application Development ?

HTML5 is a markup language used for structuring and presenting content on the World Wide Web. It is the fifth and final major HTML version that is a World Wide Web Consortium (W3C) recommendation. The current specification is known as the HTML Living Standard. It is maintained by the Web Hypertext Application Technology Working Group (WHATWG), a consortium of the major browser vendors (Apple, Google, Mozilla, and Microsoft).

Why study HTML5 Application Development?

Did you know that any web page made in HTML5 is compatible with both computers and mobile devices. In other words, you can set the mobile specification from the HTML document itself. This is the most useful feature of the HTML5 language, because it allows users to access any web page or application from a mobile device as easily as they would from their computer.

If you're thinking of becoming more serious about web development, knowing HTML5 Application Development will give you a strong knowledge in designing mobile applications, web applications as well as websites, HTML5 Application Development will open up more income-generating opportunities. Even for non-technical professionals. Still, it's also a great choice if you're looking to switch careers or venture into freelance development.

ITS (Information Technology Specialist) HTML & CSS will equip you with skills needed to develop websites and applications.

Becoming a HTML5 Application Development will enhance the chances of your employability in the Information technology industry. As you have completed your ITS HTML5 Application Development Certificate Highlighting yourself as someone who strives for positive change, as well as an eagerness to learn the latest technologies could take you a long way in your career.

Why study ITS HTML5 Application Development at G-CITI Campus?

G-CITI Campus is a South African Accredited and Global / International IT College, that offers both qualifications and certifications in IT Training. With over 10 000 students completing a wide variety of Global / International Certifications, G-CITI Campus has become the leading IT College to obtain credentials in preparation for the 4th Industrial Revolution and the Digital Economy. Our innovative approach to learning and skills development will help students go beyond what they have signed up for! Providing a holistic approach to learning and Job Readiness, we ensure a quality level of the services we offer With its course offerings, G-CITI Campus offers a range of partners, such as CompTIA, Microsoft, Adobe, ITS, Cert Nexus and Cisco, G-CITI Campus offers both online learning subscriptions, exam vouchers and simulation labs to enable students to learn online, conduct digital assessments and conduct vendor certifications online.

IT SPECIALIST EXAM OBJECTIVES

Boosting your technical skills by understanding the world of HTML5 Application Developer and how it applies to business, or the career of your dreams, is one of the many reasons to upskill in this field. All of the modules on the course speak directly to the skills that employers are actively seeking within the website as well as applications Development sector.

Studying ITS (Information Technology Specialist) HTML5 Application Development with G-CITI Campus through Distance Learning, will enable you to be prepared for the professional use of Application and Web development as well as understanding how it is important for an organization.

Also, we have a range of ITS Certificates where the HTML5 Application Development is part of a family of certifications. See more certifications on our website: www.gciticampus.academy under **Distance Learning**

Potential Career Opportunities in Software Development

- Website developer
- Apps Developer

COST OF THE COURSE

WAS R 4 990.00 | NOW R 2 950.00

Deposit: R 2000.00

Balance: R 950.00 *(To be paid before undertaking final exam)*

Use the banking Details below for any payment

Bank Name: FNB
Account Name: Genesis CITI
Account Nr: 62563325755
Account Type: Cheque
Branch: Epping
Branch Code: 200810
Deposit Reference: ID Number

What is included in the course fees

Please, be aware that all course materials are only offered online. In other words, you will not be receiving any hard copies of the textbook, and you will need to access all the required content through your online classroom, where you'll be able to find the following course content:

- A digital textbook (PDF) focused on all the content you'll need to pass the exam successfully
- Videos and Learning material to ensure you are covered to understand practical concepts
- Practice files OR quizzes to accompany the step-by-step exercises in your textbook
- A PDF summary of everything you've covered in the textbook
- A study guide and exercise files to help you with your exam prep
- A set of mock exams to be covered before undertaking global exams.

This Course Fee includes your Certiport exam voucher.



HTML5 Application Development

1. Application Lifecycle Management

1.1 Describe the application lifecycle management stages

- Plan, design, develop, test, deploy, and maintain

1.2 Debug and test web apps

- Input validation errors, runtime errors, breakpoints

2. Graphics and Animation

2.1 Use the canvas element to create graphics and animations

- shape, color, line, translate/move, rotate, scale, interactivity

2.2 Use the svg element to create and display graphics

- Advantages, inline vs. referenced XML, shapes, color, SVG filter effects

2.3 Transform, style, and enhance text and graphics

- Graphics effects (rounded corners, shadows, transparency, background gradients, typography, and Web Open Font Format), 2-D and 3-D transformations (translate, scale, rotate, skew, and 3-D perspective transitions and animations), keyframes

2.4 Apply CSS filters to images

- grayscale, blur, sepia, opacity, drop-shadow, saturate

3. Forms

3.1 Construct and analyze markup that uses form elements

- datalist, fieldset, meter, legend, output

3.2 Configure input validation

- Validation attributes, pattern attribute for regular expressions, correct data type, length, required value

4. Layouts

4.1 Manage content layout, positioning, and flow by using CSS

- Content flow (inline vs. block flow), positioning of individual elements (float vs. absolute positioning), content overflow (scrolling, visible, and hidden), basic CSS styling

4.2 Construct layouts by using responsive design

- grid view, background-size, images, picture, viewport, responsive width, media queries

4.3 Construct flexible responsive layouts by using CSS flexbox

- flex container (flex-direction, flex-flow, flex-wrap), flex items (flex-basis, flex-grow, flex-shrink, order, flex)

4.4 Construct grid-based layouts by using CSS grid

- container, items, templates, gap

IT SPECIALIST EXAM OBJECTIVES

5. JavaScript Coding

5.1 Create and use custom classes

- Instantiation, properties, methods, inheritance

5.2 Perform data access by using JavaScript

- Send and receive data, transmit and parse complex objects, load and save files, XML, JSON

5.3 Construct code that responds to events by using event listeners and handlers

- Gesture events, handling multiple events, Event object, bubbling vs. cascading

5.4 Construct code that uses JavaScript APIs

- Google Charts, jQuery, Geolocation

5.5 Manage the state of an application

- Session state vs. app state, where to store state (local vs. session storage)



INFORMATION
TECHNOLOGY
SPECIALIST