



Web and Mobile Design Series

User Interface Designer

User Interface Designer is the second course in the CIW Web And Mobile Design series. This course introduces strategies and tactics necessary to design user interfaces, with particular emphasis on creating user interfaces for mobile devices. It focuses on teaching specific development techniques and strategies.

This course teaches how information obtained from the client, sales, and marketing to design and develop compelling visual experience Web sites for multiple platforms, including mobile, tablet, and desktop. You will learn more about wireframes, color schemes, tones, design templates, formatting, and typography. This course builds upon your abilities to implement user analysis techniques, usability concepts, usability testing procedures and the vital role of testing to publish and maintain a Web site.

You will also learn branding considerations and responsive design implementation in relation to the user interface design of Web sites.

Topics

Introduction to User Interface Design

- What Is User Interface Design?
- Evolution of Web User Interfaces
- Current Trends in Web Design
- Web Design Team Roles and Responsibilities
- Web Design Project Management
- Collaborative Web Design
- Creating a Web Design Portfolio
- Creating a Plan for a Web-Based Business Project

User Interface Design Process

- Choosing a Web Design Methodology
- Creating a Web Site Vision Statement
- Creating and Implementing a Web Site Strategy
- Creating a Web Site Specification
- Publishing a Web Site
- Choosing a Web Site Host
- Securing a Web Site
- Creating Ethical and Legal Web Sites
- Creating a Mind Map
- Using Metaphors
- Creating Word Lists and Mood Boards
- Creating a Site Map

User-Centered Web Design

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- The Cognitive Psychology of Web Design

- Personas and Usability
- Accessibility

User Interface Design Principles and Legal Guidelines

- Web UI Design Principles
- Visual Design Principles
- Branding
- Legal Issues Impacting Web Design

Color, Typography, Layout and Wireframing

- Color
- Typography
- Layout
- Wireframes and Mockups
- Responsive Web Design

Designing a Basic Web Site

- Creating a Web Site
- Part 1: Creating One Site Page
- Part 2: Creating the Remaining Site Pages
- Spell- and Grammar-Check the Site

Navigation Concepts

- Why is Web Site Navigation So Important?
- Site Structure, Directory Structure and URLs
- Positional Awareness
- Primary and Secondary Navigation
- Navigation Elements
- Navigation Conventions and Principles
- Creating a Navigation System

Designing and Developing a Professional Web Site

- Why is Prototyping So Important?
- User-Centered Web Design
- User Interface Design Patterns
- Optimizing the look and feel of a Web site
- Focus on Web Forms
- GET and POST
- Constructing a Professional Web Site
- Web Framework
- User Interface Libraries
- Web Content Management Systems
- Additional Web Development Tools
- Web Hosting Services and Domain Names

Site Publishing, Maintenance, Security, and SEO Strategies

- Making Sure a Web Site is Ready to be Published
- Maintaining a Web Site
- Search Engine Optimization (SEO)
- SEO and Written Site Content
- SEO and Mobile-Friendliness
- SEO and Metadata

Target Audience

Individuals preparing to enter or continue in the workforce fields of Web site development and design can benefit from the *CIW User Interface Designer* course and/or certification:

- High school students
- College students
- Technical/trade school students

Professionals working in Web site development and design fields for any industry can benefit from the *CIW User Interface Designer* course and/or certification:

- Web and graphic designers
- Web marketing professionals
- Mobile application developers
- Creative directors
- Advertising professionals
- Entrepreneurs

Job Responsibilities

User Interface Designer job responsibilities can include:

- Creating UI sketches and converting them to wireframes.
- Elaborating the wireframes into page mockups.
- Creating the site's graphic images, which can be extremely time-consuming.
- Programming the front-end UI (using client-side code such as HTML, CSS, JavaScript, etc.).
- Programming the back-end application (using server-side code such as PHP, MySQL, etc.).
- Testing, revising and re-testing multiple times, using multiple browsers, including mobile devices until everything on the site looks and behaves exactly as the project design dictates.

Prerequisites

The *CIW User Interface Designer* courseware requires an understanding HTML5 and CSS3 coding. Suggested prerequisites are the *CIW Site Development Associate* course and the *CIW Advanced HTML5 & CSS3 Specialist* course, or equivalent knowledge.