



# ACADEMY OF DIGITAL ARTS EGYPT



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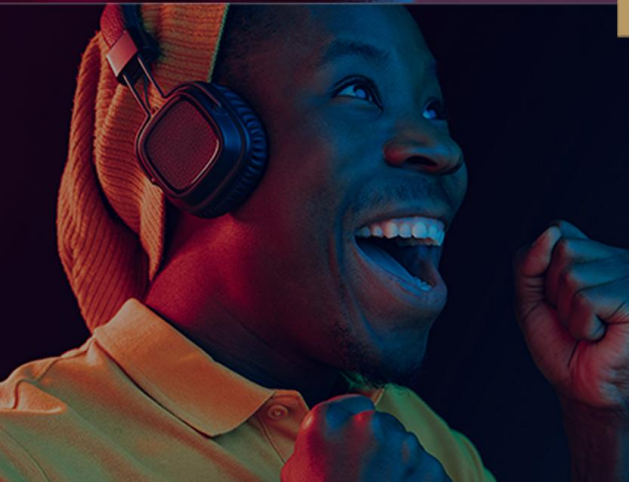


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# Build a Complete Digital Agency Website

## Academy of Digital Arts Egypt - HTML & CSS Capstone Project

### Objective:

By completing this task, you will:

- Create a complete, professional website using semantic HTML structure
  - Implement advanced CSS layout techniques including Grid, Flexbox, and responsive design
  - Apply modern CSS features including custom properties, animations, and transitions
  - Build a real-world project suitable for your professional portfolio
  - Demonstrate mastery of all HTML and CSS concepts from the course series
  - Create a fully responsive website that works across all devices and screen sizes
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# Build a Complete Digital Agency Website

## Academy of Digital Arts Egypt - HTML & CSS Capstone Project

### Step 1 – Project Planning and HTML Structure

- Create a digital marketing agency website with 5 main pages: Home, About, Services, Portfolio, and Contact
- Set up proper HTML5 document structure with semantic elements (header, nav, main, section, aside, footer)
- Implement a consistent navigation system across all pages using proper HTML structure
- Create forms with appropriate input types, validation attributes, and accessibility features
- Use proper heading hierarchy (h1-h6) and semantic markup throughout all pages



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### Step 2 – Design System Implementation with CSS Variables

- Create a comprehensive design system using CSS custom properties for colors, typography, and spacing
- Implement a professional color palette with primary, secondary, and neutral colors
- Set up a responsive typography scale using CSS variables and relative units
- Create consistent spacing scale for margins, padding, and component sizing
- Design both light and dark theme variations using CSS variables and prefers-color-scheme



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### Step 3 – Advanced Layout with CSS Grid and Flexbox

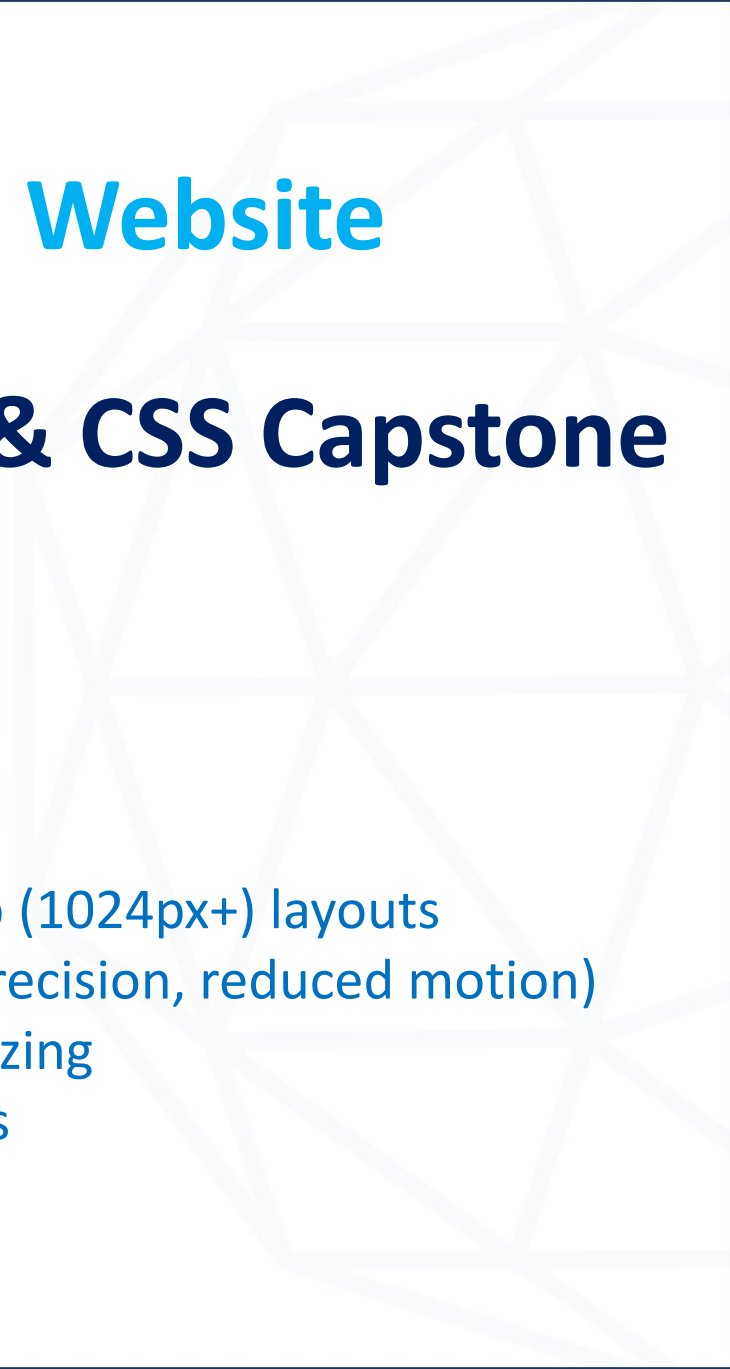
- Build the homepage hero section using CSS Grid for complex layout arrangement
- Create a services section with responsive card layout using CSS Grid auto-fit and minmax
- Design a portfolio gallery showcasing projects with CSS Grid masonry-style layout
- Implement navigation bar using Flexbox with responsive mobile hamburger menu
- Build footer with multiple columns using Flexbox that adapts to different screen sizes



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### Step 4 – Responsive Design and Media Queries

- Implement mobile-first responsive design approach across all pages
  - Create breakpoints for mobile (default), tablet (768px+), and desktop (1024px+) layouts
  - Use advanced media queries for device capabilities (hover, pointer precision, reduced motion)
  - Ensure all interactive elements are touch-friendly with appropriate sizing
  - Test and optimize typography, spacing, and layouts for all device sizes
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### Step 5 – Interactive Elements and Animations

- Add smooth CSS transitions for all interactive elements (buttons, links, forms)
- Create engaging hover effects for portfolio items and service cards
- Implement loading animations and entrance effects using CSS keyframes
- Add smooth scrolling navigation and subtle micro-interactions throughout the site
- Ensure all animations respect accessibility preferences (prefers-reduced-motion)






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### Step 6 – Performance and Polish

- Optimize images and ensure proper alt attributes for accessibility
  - Implement proper semantic HTML for screen readers and SEO
  - Add CSS transitions and animations that enhance user experience
  - Test website across multiple browsers and devices for compatibility
  - Validate HTML and CSS code for errors and best practices compliance
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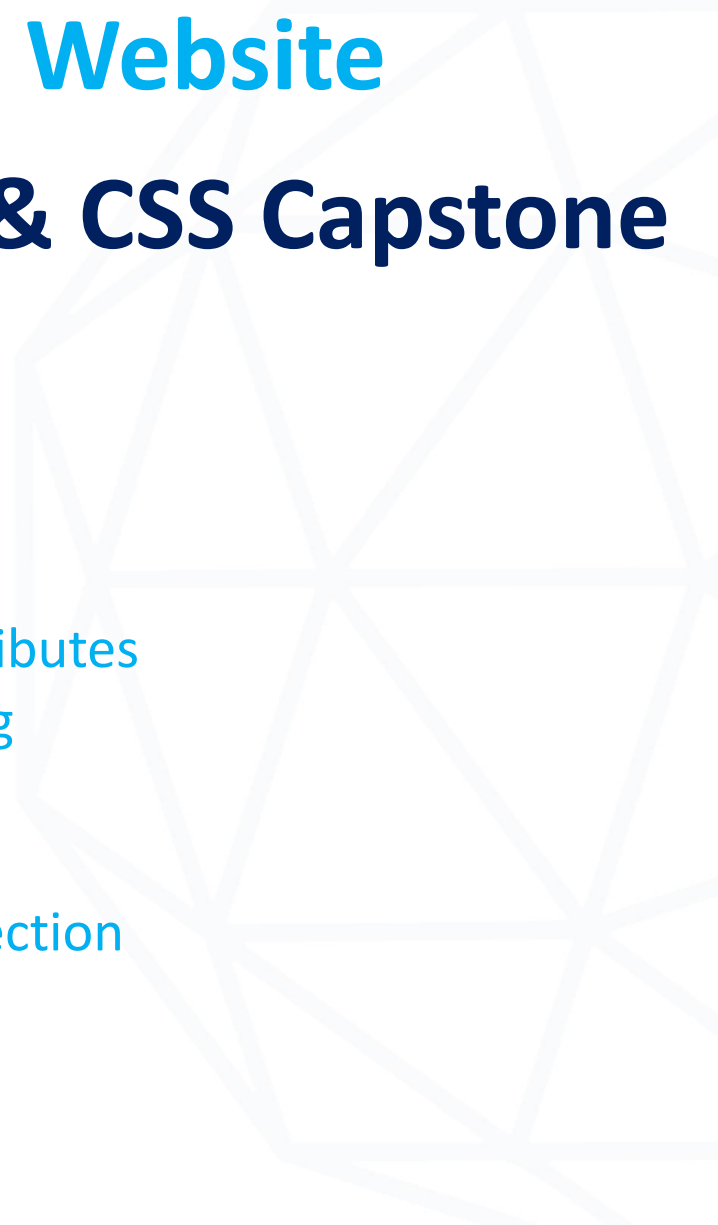


# Build a Complete Digital Agency Website

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### Requirements

#### Technical Specifications:

- HTML5: Semantic structure, proper form elements, accessibility attributes
  - CSS Grid: Complex layouts, responsive galleries, advanced positioning
  - Flexbox: Navigation, component layouts, content alignment
  - CSS Variables: Design system, theming, responsive values
  - Media Queries: Mobile-first responsive design, device capability detection
  - Animations: Transitions, keyframes, performance-optimized effects
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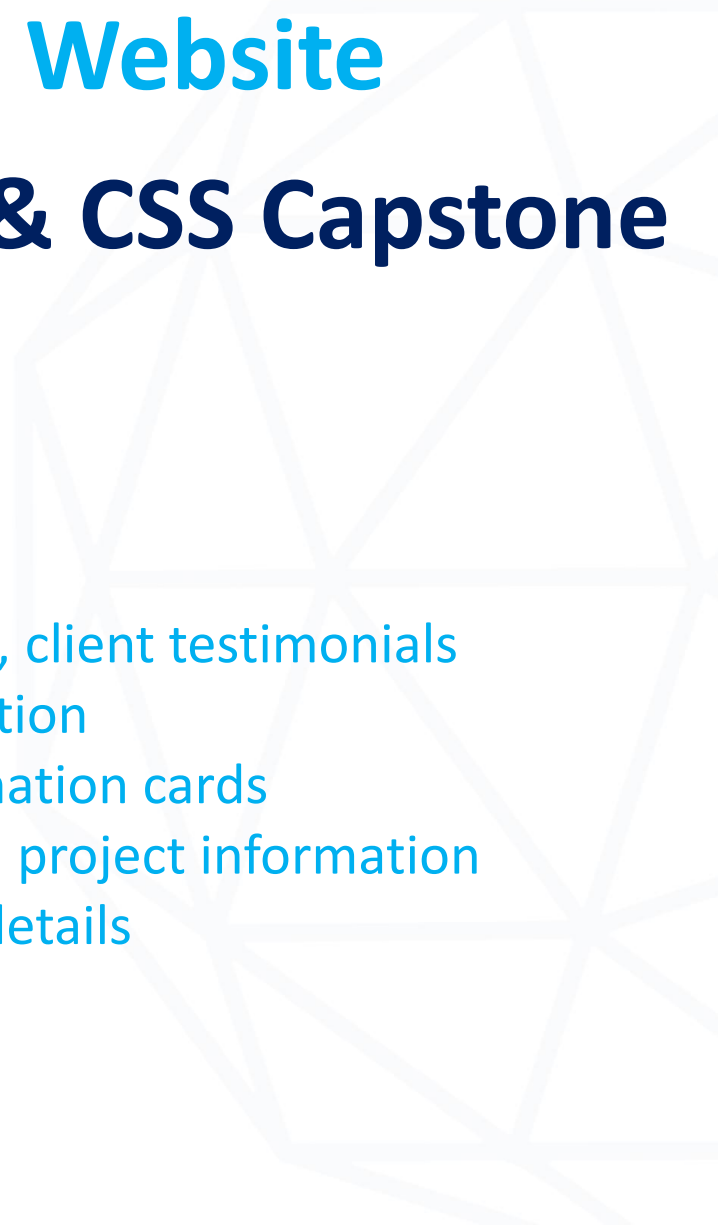


# Build a Complete Digital Agency Website

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### Requirements

#### Page Requirements:

- Homepage: Hero section, services overview, featured portfolio items, client testimonials
  - About Page: Company story, team member grid, company values section
  - Services Page: Detailed service offerings with pricing tables or information cards
  - Portfolio Page: Project showcase with filtering or categories, detailed project information
  - Contact Page: Contact form, company information, location map or details
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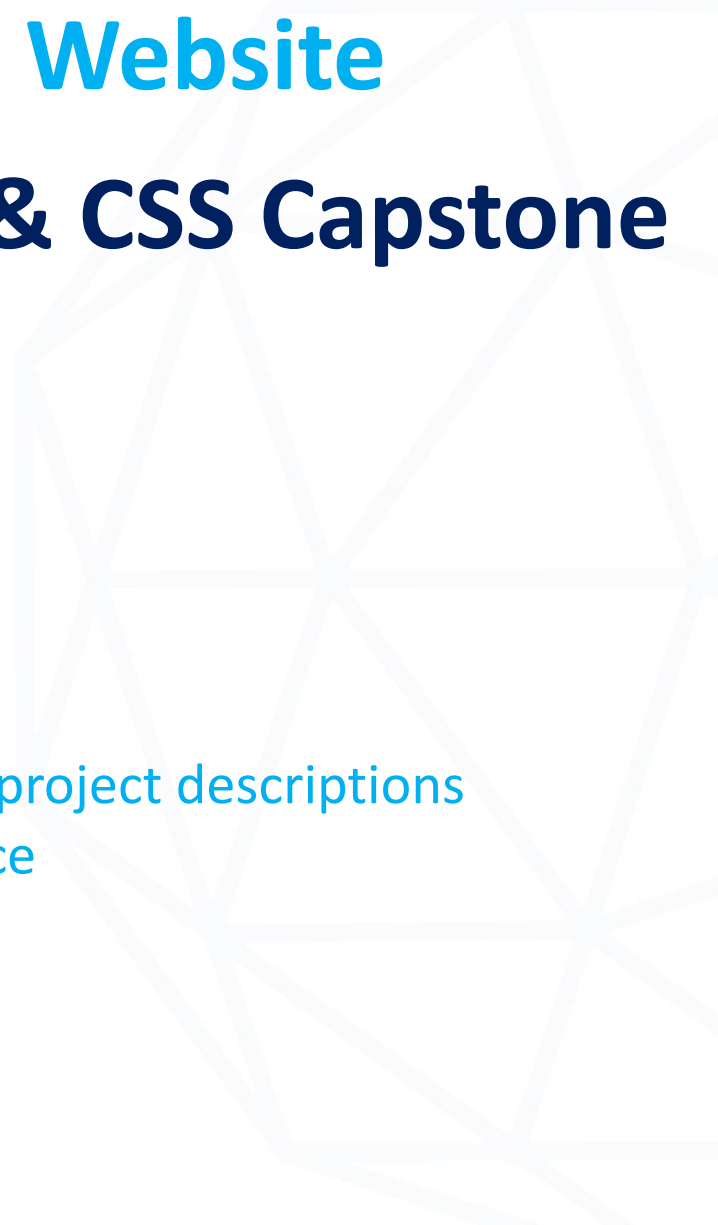


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### Requirements

Content Guidelines:

- Use realistic, professional content for a digital marketing agency
  - Include placeholder images with proper dimensions and alt text
  - Create believable company information, team member profiles, and project descriptions
  - Ensure all content is appropriate for a business website portfolio piece
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### Requirements

Browser Support:

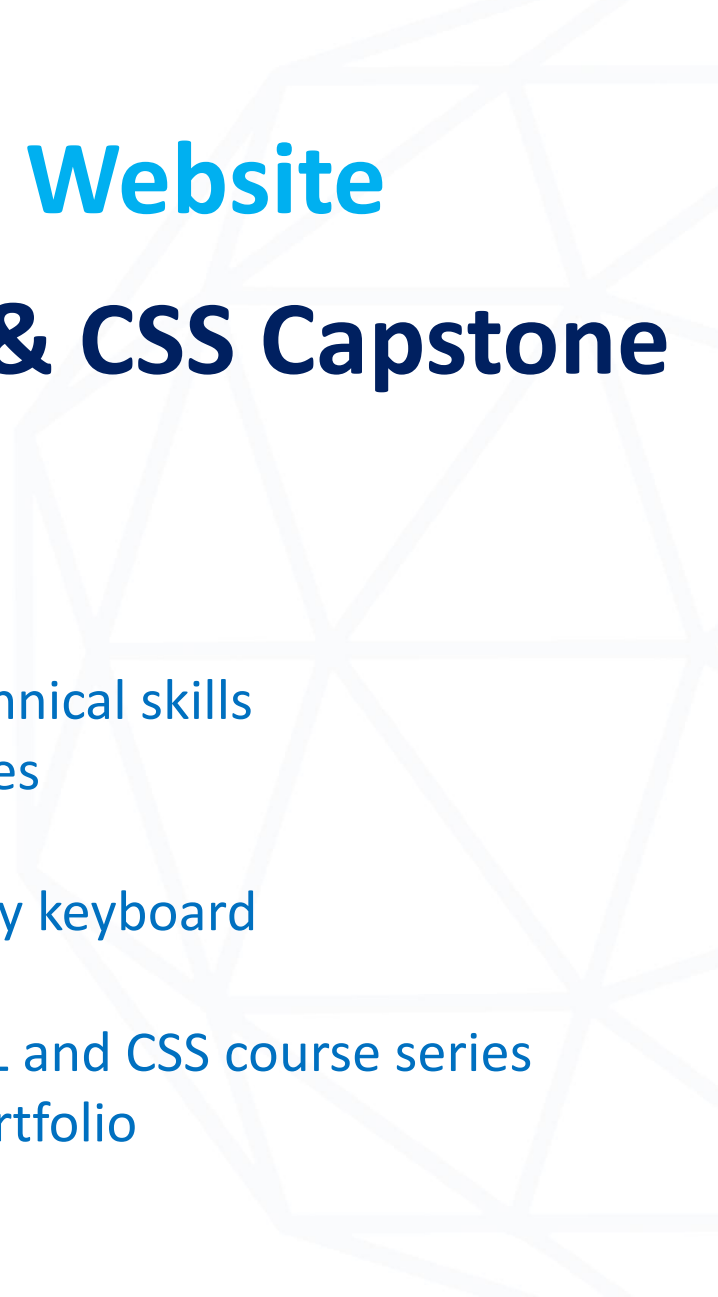
- Modern browsers (Chrome, Firefox, Safari, Edge)
  - Mobile browsers (iOS Safari, Chrome Mobile)
  - Responsive design tested on devices from 320px to 1920px width
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### Reminder


- Focus on creating a professional website that demonstrates your technical skills
  - Ensure your code is clean, well-commented, and follows best practices
  - Test your website thoroughly on different devices and screen sizes
  - Pay attention to accessibility and ensure your site can be navigated by keyboard
  - Use Git version control to track your progress and changes
  - This project should showcase ALL skills learned throughout the HTML and CSS course series
  - Remember that this website will be a key piece in your developer portfolio
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### Bonus Challenges (Optional):

- Implement a working contact form using form validation
  - Add a blog section with article layouts
  - Create a style guide page documenting your design system
  - Implement advanced CSS features like CSS custom properties with `calc()` functions
  - Add subtle parallax effects or advanced animations (while maintaining performance)
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THANK YOU

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