

Professional CSS Developer Checklist (2026)

Student Name: _____ **Instructor Name:** _____

(Industry / Software House Standard)

1 CSS Fundamentals

- ☐ What is CSS & how it works with HTML
 - ☐ Inline, Internal, External CSS difference
 - ☐ CSS Syntax (selector { property: value; })
 - ☐ Comments & clean formatting
 - ☐ CSS Cascade concept
 - ☐ Specificity rules
 - ☐ Inheritance concept
 - ☐ !important usage (when & why to avoid)
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2 Selectors (Very Important)

- ☐ Element selector
 - ☐ Class selector
 - ☐ ID selector
 - ☐ Universal selector
 - ☐ Group selector
 - ☐ Descendant selector
 - ☐ Child selector (>)
 - ☐ Adjacent sibling (+)
 - ☐ General sibling (~)
 - ☐ Attribute selectors
 - ☐ Pseudo-classes (:hover, :focus, :nth-child etc.)
 - ☐ Pseudo-elements (::before, ::after, ::first-letter etc.)
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3 Box Model Mastery

- ☐ Content
 - ☐ Padding
 - ☐ Border
 - ☐ Margin
 - ☐ box-sizing (content-box vs border-box)
 - ☐ Margin collapsing concept
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4 Typography & Text Styling

- ☐ font-family
 - ☐ font-size (px, em, rem, %)
 - ☐ font-weight
 - ☐ line-height
 - ☐ letter-spacing
 - ☐ text-align
 - ☐ text-decoration
 - ☐ text-transform
 - ☐ text-shadow
 - ☐ Web fonts (@font-face / Google Fonts)
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5 Colors & Backgrounds

- ☐ Color formats (hex, rgb, rgba, hsl)
 - ☐ background-color
 - ☐ background-image
 - ☐ background-size
 - ☐ background-position
 - ☐ background-repeat
 - ☐ gradient backgrounds
 - ☐ opacity vs rgba difference
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6 Units & Responsive Units

- ☐ px
 - ☐ %
 - ☐ em
 - ☐ rem
 - ☐ vh / vw
 - ☐ clamp()
 - ☐ calc()
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7 Display & Positioning

- ☐ display (block, inline, inline-block)
 - ☐ display: none vs visibility: hidden
 - ☐ position (static, relative, absolute, fixed, sticky)
 - ☐ z-index
 - ☐ overflow
 - ☐ float & clear (legacy knowledge)
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8 Flexbox (Must for Software House)

- ☐ display: flex
 - ☐ flex-direction
 - ☐ justify-content
 - ☐ align-items
 - ☐ align-content
 - ☐ flex-wrap
 - ☐ flex-grow / shrink / basis
 - ☐ gap
 - ☐ Real layout practice
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9 CSS Grid (Advanced Layout)

- ☐ display: grid
- ☐ grid-template-columns
- ☐ grid-template-rows
- ☐ fr unit
- ☐ gap

- ☐ grid-column / row
 - ☐ grid-area
 - ☐ Auto-fit / auto-fill
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10 Responsive Design

- ☐ Media queries
 - ☐ Mobile-first approach
 - ☐ Breakpoints
 - ☐ Responsive typography
 - ☐ Responsive images handling
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11 Transitions & Animations

- ☐ transition property
 - ☐ transform (scale, rotate, translate)
 - ☐ keyframes animation
 - ☐ animation properties
 - ☐ Performance awareness (GPU friendly properties)
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12 Advanced CSS Concepts

- ☐ CSS Variables (custom properties)
 - ☐ CSS architecture (BEM methodology)
 - ☐ Reusability & component styling
 - ☐ Stacking context
 - ☐ Specificity debugging
 - ☐ CSS reset / normalize
 - ☐ Critical CSS concept
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13 Performance & Optimization

- ☐ Avoid deep nesting
- ☐ Avoid overuse of !important
- ☐ Minification

- ☐ Avoid unused CSS
 - ☐ Proper selector efficiency
 - ☐ Reduce layout shifts
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14 Accessibility & UX

- ☐ Focus states styling
 - ☐ Hover vs touch awareness
 - ☐ Contrast ratio basics
 - ☐ Responsive readability
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Project Completion Check

Students must complete at least 2:

- ☐ Responsive Landing Page
 - ☐ Dashboard Layout (Flex + Grid)
 - ☐ Portfolio Website
 - ☐ E-commerce Product Page Layout
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Course Completion Statement

By completing this checklist, the student demonstrates the ability to create structured, responsive, scalable, and production-ready CSS layouts following modern industry standards and professional frontend practices.

Student Signature: _____ Date: _____