

Professional UI Coding Checklist (From Design to Code)

1. Design Analysis (Design Analysis)

- Layout: **Grid System** (12-column grid)
- Spacing: **Consistent**
- Typography: **Font family, size, weight**
- Colors: **Primary, Secondary, Tertiary, Background**
- Components: **Buttons, Inputs, Cards, Lists, Modals**
- Breakpoints: **Mobile, Tablet, Desktop**

2. Project Setup (Project Setup)

- React + Tailwind/MUI **Dependencies**
- Theme/Design Tokens **Configuration**
- Folder structure **Organization**

3. Component Structure (Component Structure)

- Top to Bottom approach
- Component-based structure
- Navbar → Hero → Sections → Footer

4. Styling & Spacing (Styling & Spacing)

- Tailwind: grid-cols, gap **Classes**
- MUI: Grid container **Spacing**
- px → rem/Tailwind scale **Conversion**

5. Component Variants (Component Variants)

- Props **variant**
- Default, Hover, Active, Disabled**

6. Responsive Behavior (Responsive Behavior)

- Mobile-first design
- Tailwind breakpoints (sm, md, lg, xl)
- MUI breakpoints (xs, sm, md, lg, xl)

7. Pixel Perfect (Pixel Perfect)

- Dimensions, Colors, Spacing, Typography**
- Visual Hierarchy, Accessibility**

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- Meaningful class names
- Reusable components
- Theme variables ■■■■■■

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- Responsive 
- Design 
- Lighthouse 

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- README ■■■■
- Component documentation (optional)