



# UI COMPONENT HIERARCHY

## CareerMap India (React-Based Structure)

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### 1 Root Structure

```
App
  └── Router
    ├── HomePage
    ├── QuizPage
    ├── QuizResultPage
    ├── CareerCategoryPage
    ├── CareerDetailPage
    ├── ComparePage
    ├── BranchSelectionPage
    ├── BranchDetailPage
    └── RoadmapPage
  └── Navbar
  └── Footer
```

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### 2 Global Components (Reusable)

These are used across multiple pages.

#### Common Components

```
  └── Button
  └── Card
  └── Tag
  └── Badge
  └── ProgressBar
  └── Modal
```

```
├── Loader  
├── ChartComponent  
├── ComparisonTable  
└── Timeline
```

These make your UI scalable and modular.

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## 3 Home Page Component Hierarchy

HomePage

```
├── HeroSection  
│   ├── Heading  
│   ├── SubHeading  
│   └── CTAButtons  
├── CareerCategoryGrid  
│   ├── CategoryCard (x4)  
├── TrendingCareersSection  
│   ├── CareerCard (horizontal scroll)  
└── Footer
```

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## 4 Career Category Page Structure

CareerCategoryPage

```
├── FilterPanel  
│   ├── BranchFilter  
│   ├── SalaryFilter  
│   ├── RiskFilter  
│   └── StudyPreferenceFilter  
├── CareerGrid  
│   ├── CareerCard (dynamic list)  
└── Pagination (optional)
```

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## 5 Career Detail Page Structure

```
CareerDetailPage
├── CareerHeader
│   ├── CareerTitle
│   ├── CategoryTag
│   └── CompareButton
├── OverviewSection
├── SalarySection
│   └── SalaryChart
├── SkillsSection
│   └── SkillTagList
├── RiskStudySection
├── RoadmapPreviewSection
│   └── TimelineComponent
└── RelatedCareersSection
```

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## 6 Quiz Page Component Hierarchy

```
QuizPage
├── QuizProgressBar
├── QuizQuestionCard
│   ├── QuestionText
│   └── OptionCard (multiple)
├── NavigationButtons
│   ├── BackButton
│   └── NextButton
└── SubmitButton (final step)
```

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## 7 Quiz Result Page

```
QuizResultPage
├── ResultHeader
└── RecommendedCareerList
```

```
|   └── MatchCard
|       ├── CareerName
|       ├── MatchPercentage
|       ├── ExplanationText
|       ├── ViewDetailsButton
|       └── CompareButton
└── RetakeQuizButton
```

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## 8 Comparison Page

```
ComparePage
├── SelectedCareerSummary
├── ComparisonTable
|   ├── SalaryRow
|   ├── StudyTimeRow
|   ├── RiskRow
|   ├── GrowthRow
|   ├── StabilityRow
└── HighlightBestOption
```

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## 9 Branch Selection Page

```
BranchSelectionPage
├── BranchGrid
|   └── BranchCard (CSE, ECE, Mech, Civil, EEE)
```

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## 10 Branch Detail Page

```
BranchDetailPage
├── BranchHeader
└── CareerDistributionChart
```

```
└── CoreCareersSection
    ├── CareerCard
└── ITSwitchCareersSection
    ├── CareerCard
└── GovtCareersSection
    ├── CareerCard
└── HigherStudiesSection
    ├── CareerCard
```

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## 11 Roadmap Page

```
RoadmapPage
└── RoadmapHeader
└── TimelineView
    ├── MonthBlock
    |   ├── SkillsList
    |   ├── ToolsList
    |   ├── ProjectList
    |   └── InterviewPrepSection
└── ResourceLinks
```

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## State Management (Important for Portfolio)

Global States:

- SelectedCareers (for comparison)
- QuizAnswers
- QuizResults
- SelectedBranch

- FiltersState

Can be handled using:

- React Context API (MVP)  
OR
  - Redux (Advanced)
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## Component Layer Architecture

Presentation Layer (UI Components)

Business Logic Layer (Quiz Scoring Engine)

Data Layer (API Calls / MongoDB)

This shows layered architecture thinking.

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## Why This Is Strong for Portfolio

This demonstrates:

- Component modularity
- Reusability
- Clean separation of concerns
- Scalable frontend design
- Real-world project architecture

This is much stronger than basic CRUD apps.