

UI COMPONENT HIERARCHY

CareerMap India (React-Based Structure)

1 Root Structure

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

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.

3 Home Page Component Hierarchy

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

4 Career Category Page Structure

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

5 Career Detail Page Structure

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

6 Quiz Page Component Hierarchy

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

7 Quiz Result Page

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

```
|      |— MatchCard
|      |   |— CareerName
|      |   |— MatchPercentage
|      |   |— ExplanationText
|      |   |— ViewDetailsButton
|      |   |— CompareButton
|      |— RetakeQuizButton
```

8 Comparison Page

```
ComparePage
|— SelectedCareerSummary
|— ComparisonTable
|   |— SalaryRow
|   |— StudyTimeRow
|   |— RiskRow
|   |— GrowthRow
|   |— StabilityRow
|— HighlightBestOption
```

9 Branch Selection Page

```
BranchSelectionPage
|— BranchGrid
|   |— BranchCard (CSE, ECE, Mech, Civil, EEE)
```

10 Branch Detail Page

```
BranchDetailPage
|— BranchHeader
|— CareerDistributionChart
```

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

Roadmap Page

RoadmapPage

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

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)



Component Layer Architecture

Presentation Layer (UI Components)

Business Logic Layer (Quiz Scoring Engine)

Data Layer (API Calls / MongoDB)

This shows layered architecture thinking.



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.