

BUSINESS REQUIREMENT SPECIFICATION (BRS)

Project: CareerMap India

Type: Portfolio Product (Decision Support Web Application)

1 Executive Summary

CareerMap India is a web-based decision-support platform designed to help Indian B.Tech students choose structured career paths through:

- Personalized career recommendations
- Branch-specific guidance
- Career comparison tools
- Step-by-step preparation roadmaps

The platform uses a rule-based scoring engine to provide intelligent recommendations.

2 Business Objective

Build a scalable, structured career intelligence system that:

- Reduces career confusion

- Enables informed decision-making
 - Provides execution-ready preparation roadmaps
 - Demonstrates system design & algorithmic thinking (Portfolio Purpose)
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3 Scope of the System

Included (MVP Scope)

- Home Page
- Career Categories
- Branch-Specific Pages
- Career Detail Pages
- Personalized Quiz Engine
- Comparison Module
- Roadmap Module

Excluded (Future Scope)

- Login/Signup
 - Payment integration
 - AI chatbot
 - Resume builder
 - Internship integration
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4 User Roles

Primary User

Engineering Student

No authentication required in MVP.

5 Functional Requirements

FR-1: Home Page

System shall:

- Display hero section
 - Provide CTA buttons:
 - Take Career Quiz
 - Explore Careers
 - Display Career Categories
 - Display Trending Careers
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FR-2: Career Categories Page

System shall:

- Display 4 main categories:
 - Private Sector

- Higher Studies
 - Government Jobs
 - Entrepreneurship
 - Allow filtering by:
 - Branch
 - Salary range
 - Study requirement
 - Risk level
-

FR-3: Branch-Specific Page

System shall:

- Display selected branch overview
 - Show career distribution chart
 - Display:
 - Core careers
 - IT switch careers
 - Govt careers
 - Higher studies
 - Recommend top career paths for that branch
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FR-4: Career Detail Page

System shall display:

- Career overview
 - Salary progression (Fresher / 3Y / 5Y)
 - Required skills
 - Risk level
 - Study requirement
 - Competition level
 - Preparation time
 - Step-by-step roadmap
 - Compare button
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FR-5: Career Quiz Module

System shall:

Collect inputs:

- Branch
- Interest
- Risk tolerance
- Salary expectation
- Study preference
- Work-life balance importance
- Financial condition

System shall:

- Apply weighted scoring logic
 - Calculate career match percentage
 - Display top 3 recommended careers
 - Show explanation
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FR-6: Career Comparison Module

System shall:

- Allow selection of 2–3 careers
 - Display comparison table
 - Compare:
 - Salary
 - Study duration
 - Cost
 - Risk
 - Competition
 - Growth potential
 - Stability
-

FR-7: Roadmap Module

System shall:

- Display timeline view
 - Show monthly breakdown
 - List required tools
 - Suggest project milestones
 - Include interview preparation stage
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6 Non-Functional Requirements

- Responsive (Mobile + Desktop)
 - Page load < 3 seconds
 - Clean UI
 - Modular code structure
 - Scalable database model
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7 End-to-End Screen Flow (Designer-Ready)

Now this is very detailed.

This can directly be given to a UI/UX designer.



GLOBAL NAVIGATION STRUCTURE

Navbar:

Logo | Home | Explore Careers | Branch Guide | Quiz | Compare | About



SCREEN FLOW 1: Entry Journey

Screen 1: Home Page

Sections (Top to Bottom):

1. Navbar
2. Hero Section
 - Headline
 - Subtext
 - CTA Buttons:
 - Take Career Quiz
 - Explore Careers
3. Career Categories Grid (4 Cards)
4. Trending Careers Horizontal Scroll
5. Footer

User Actions:

- Click Quiz
 - Click Category
 - Click Branch Guide
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SCREEN FLOW 2: Career Quiz Journey

Screen 2: Quiz – Step 1

Question: Select Your Branch

Options: CSE, ECE, Mechanical, Civil, EEE

Next →

Screen 3: Quiz – Step 2

Question: Primary Interest

Options:

- Coding
- Management
- Government
- Research
- Entrepreneurship

Next →

Screen 4: Quiz – Step 3

Risk Tolerance:

Low / Medium / High

Next →

Screen 5: Quiz – Step 4

Salary Expectation:

<5 LPA / 5–8 LPA / >8 LPA

Next →

Screen 6: Quiz – Step 5

Study Preference:

Yes / No

Next →

Screen 7: Quiz – Step 6

Work-Life Balance Importance:

Low / Medium / High

Next →

Screen 8: Quiz – Step 7

Financial Condition:

Can afford higher studies / Limited budget

Submit →

Screen 9: Processing Screen

Loading animation

"Analyzing your responses..."

Screen 10: Quiz Result Screen

Displays:

Top 3 Careers

Each card shows:

- Career Name
- Match %
- Why recommended
- Buttons:
 - View Details
 - Compare

SCREEN FLOW 3: Career Exploration Journey

Screen 11: Career Category Page

Filters on left

Career cards grid on right

User selects career →

Screen 12: Career Detail Page

Sections:

1. Title + Category Tag
2. Overview
3. Salary Graph
4. Skills Required

5. Risk Level
6. Study Requirement
7. Roadmap Timeline
8. Compare Button



SCREEN FLOW 4: Comparison Journey

Screen 13: Compare Selection Page

User selects 2–3 careers

Click Compare →

Screen 14: Comparison Result Page

Table Layout:

Rows:

- Salary
- Study Time
- Cost
- Competition
- Risk
- Stability
- Growth

Highlight best option visually.



SCREEN FLOW 5: Branch Journey

Screen 15: Branch Selection Page

Cards:

CSE | ECE | Mechanical | Civil | EEE

User selects branch →

Screen 16: Branch Detail Page

Sections:

1. Branch Overview
 2. Career Distribution Chart
 3. Core Careers
 4. IT Switch Careers
 5. Govt Careers
 6. Higher Studies
 7. Recommended Roadmaps
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SCREEN FLOW 6: Roadmap Journey

Screen 17: Roadmap Page

Timeline View:

Month 1–2

Month 3–4

Month 5–6

...

Each expandable:

- Skills
 - Tools
 - Projects
 - Interview Prep
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Complete User Journey Summary

Home

→ Quiz

→ Result

→ Career Details

→ Compare

→ Roadmap

→ Decision

OR

Home

→ Explore

→ Career Details

→ Compare

→ Roadmap

OR

Home

→ Branch

→ Branch Details

→ Career
→ Roadmap

System Layer Model

Information Layer
Decision Layer (Quiz Engine)
Comparison Layer
Execution Layer (Roadmap)

Final Result

Now this documentation is:

- Clear for Designer
- Clear for Developer
- Clear for Evaluator
- Strong for Portfolio