**Therapist Finder Prototype - 30 Hour Hackathon Challenge Project Overview**

Build a single-page application (SPA) that allows users to find and filter mental health professionals in Pakistan. The application should provide an intuitive interface for discovering therapists based on various criteria from the provided dataset.

**Technical Requirements**

**Recommended Stack (You may use alternatives)**

**Frontend**: React, Next.js, Vue, Angular, or Svelte

**Backend**: Node.js, Python (Django/FastAPI), Ruby on Rails, or any backend framework **Database**: PostgreSQL, MySQL, MongoDB, or SQLite

**Styling**: Tailwind, CSS Modules, Styled Components, or any CSS solution

**Language**: TypeScript recommended but JavaScript is acceptable

**Deployment**: Any platform (Vercel, Netlify, Railway, Render, etc.)

**Why We're Flexible on Stack**

We want to see you work with tools you're comfortable with

Your problem-solving approach matters more than specific framework knowledge

Code quality and architecture decisions are what we're evaluating

Show us your best work with your preferred tools

**Core Features to Implement**

**1. Data Management (3 hours)**

Import the CSV data into your chosen database

Design an appropriate schema for the therapist data

Ensure data integrity and handle missing values

**2. Backend API (6 hours)**

Create RESTful or GraphQL endpoints for:

List all therapists with pagination

Search and filter therapists

Get individual therapist details

Get filter options with counts (for UI)

**3. Frontend Application (15 hours)**

**UI/UX Design Requirements**

**Main Application Layout**

**Header Section**

**Logo/Brand**: "�� MindCare Pakistan" on the left

**Search Bar**: Central search input with search button

**Responsive**: Collapses to mobile menu on smaller screens

**Two-Column Layout Structure**

**Left Column - Filter Panel (20% width on desktop, full width drawer on mobile) City Filter Section**

Checkbox list with cities

Options: Karachi, Lahore, Islamabad, Other

Show count next to each option

**Experience Filter Section**

Radio button group

Options: 0-5 years, 5-10 years, 10-15 years, 15+ years

**Gender Filter Section**

Checkbox options: Male, Female

Display count for each

**Fee Range Filter Section**

Radio button group

Options: Under Rs.2000, Rs.2000-4000, Rs.4000-6000, Above Rs.6000 **Consultation Mode Filter**

Checkboxes: In-person, Online

Clear All button at bottom

**Right Column - Results Grid (80% width on desktop, full width on mobile) Therapist Card Component** Each card should display:

Placeholder for photo/avatar

Doctor name (prominent)

Rating (if available)

City location with icon

Fee amount with currency

"View Details" button

**Grid Layout**

3 columns on desktop

2 columns on tablet

1 column on mobile

Pagination or "Load More" at bottom

Results count display

**Therapist Detail View (Modal or New Page)**

**Header Section**

Close button (if modal)

Doctor photo/avatar placeholder

Name as main heading

Gender and experience years as subtitle

**Contact Information Bar**

Location with map icon

Fee with money icon

Phone with phone icon (clickable)

Email with email icon (clickable)

**Content Sections (Tabbed or Accordion)**

1. **Education Section**

Display education history from CSV

Format as bulleted list or timeline

2. **Experience Section**

Work history and positions

Years of practice

3. **Expertise Section**

List of specializations

Treatment approaches

4. **About Section**

Personal statement/bio

Philosophy or approach

5. **Consultation Modes**

Available modes (in-person/online)

Timing if available

**Action Buttons (Footer)**

Primary: "Call Now" button

Secondary: "Send Email" button

Tertiary: "Visit Profile" link

**Mobile Responsive Considerations**

**Mobile-First Design Requirements**

Filter panel as slide-out drawer with hamburger menu Search bar below header

Single column card layout

Sticky filter button at bottom

Touch-friendly button sizes (min 44x44px)

Swipeable cards on mobile

Bottom sheet for therapist details

**Breakpoints**

Mobile: < 768px

Tablet: 768px - 1024px

Desktop: > 1024px

**Visual Design Guidelines**

**Color Scheme Suggestions**

Primary: Teal/Turquoise ( #0891b2 ) - Medical/wellness association Secondary: Warm Gray ( #64748b ) - Professional

Accent: Coral ( #fb7185 ) - Call-to-action

Background: Light gray ( #f8fafc ) or white

Success: Green ( #10b981 )

Error: Red ( #ef4444 )

**Typography**

Headers: Bold, sans-serif (e.g., Inter, Poppins)

Body: Regular weight, good readability

Card titles: Semi-bold, larger size

Minimum font size: 14px on mobile

**Component Styling**

Cards: White background with subtle shadow

Rounded corners (8px radius)

Hover effects on interactive elements

Loading skeletons for async content

Smooth transitions (300ms)

**Filter Specifications**

Based on the CSV data, implement these filters:

1. **City Filter** (Multi-select)

Extract unique cities from the city column

Show count of therapists per city

Include "Other" option for less common cities

2. **Experience Range** (Single-select)

0-5 years (Entry Level)

5-10 years (Mid Level)

10-15 years (Senior)

15+ years (Expert)

3. **Gender Filter** (Multi-select)

Male

Female

Show count for each

4. **Fee Range** (Single-select)

Under Rs. 2,000

Rs. 2,000 - 4,000

Rs. 4,000 - 6,000

Above Rs. 6,000

Parse from the fee\_amount column

5. **Consultation Mode** (Multi-select)

In-person

Online

Both

Parse from modes column

6. **Search Bar** (Text input)

Search across: name, expertise, education, about Implement debouncing (300ms)

Highlight matching terms in results (optional)

**Required Features (Must Have)**

1. **Core Functionality**

All filters working correctly

Search functionality

Individual therapist detail view

Responsive design (mobile & desktop)

2. **Performance**

Page load time < 3 seconds

Smooth filtering without page refresh Handle 79 records efficiently

3. **User Experience**

Loading states for async operations

Error handling for failed requests

Empty states when no results

Clear filter indicators

4. **Data Handling**

Handle missing data gracefully

Clean data presentation

Accurate filter counts

**Bonus Features (Nice to Have)**

URL state persistence (shareable filter links) Export filtered results

Sort options (by fee, experience, name) Animations and transitions

Dark mode

Advanced search (fuzzy matching)

Analytics dashboard

Favorites/bookmarking

Recently viewed therapists

**Evaluation Criteria**

**Problem Solving & Logic (30%)**

How you handle edge cases

Data processing approach

Algorithm efficiency

Architecture decisions

**Code Quality (25%)**

Clean, readable code

Proper separation of concerns

Reusable components/functions

Error handling

Comments where necessary

**UI/UX Design (25%)**

Visual appeal

Intuitive navigation

Responsive design

Accessibility considerations

Overall user experience

**Completeness & Functionality (20%)**

All required features working

Data accuracy

Performance metrics met

Bonus features attempted

**Submission Requirements**

1. **GitHub Repository** containing:

README.md with:

Setup instructions

Technology choices explanation

Architecture decisions

Known issues/limitations

Environment variables template

Database schema/structure

2. **Live Demo URL**

Deployed application

Sample data loaded

3. **Short Video or Screenshots** (2-3 minutes) Demonstrating all filters

Showing responsive design

Highlighting special features

**What We're Looking For**

**Technical Skills**

Can you build a working application from scratch?

Do you understand database design and querying?

Can you create an intuitive user interface?

How do you handle state management?

**Problem-Solving**

How do you parse and clean messy data?

How do you optimize for performance?

How do you handle edge cases?

**Code Quality**

Is your code maintainable?

Would another developer understand your code?

Did you follow best practices for your chosen stack?

**Product Thinking**

Did you consider the end user?

Are there thoughtful UX decisions?

Did you prioritize the right features?

**Tips for Success**

1. **Choose Your Comfort Zone**: Use technologies you know well 2. **Start Simple**: Get a working version first, then enhance 3. **Focus on User Experience**: Make it intuitive and pleasant to use 4. **Handle Edge Cases**: What if data is missing? What if no results? 5. **Document Your Decisions**: Explain why you chose certain approaches 6. **Test Your Application**: Ensure all features work before submission

**Time Management Suggestion**

**Hour 1-3**: Setup, database design, data import

**Hour 4-9**: Backend development

**Hour 10-20**: Frontend development

**Hour 21-25**: Testing and bug fixes

**Hour 26-28**: Polish and bonus features

**Hour 29-30**: Documentation and deployment

**Data Processing Notes**

From the provided CSV:

79 therapist profiles

Fields include: name, profile\_url, gender, city, experience\_years, email, phone, modes, education, experience, expertise, about, fees

Some fields may have missing values

fees\_raw needs parsing to extract numeric values

modes field needs parsing for consultation types

Some therapists have multiple emails in emails\_all

**Questions?**

If you have questions about the requirements, make reasonable assumptions and document them in your README.

**Good luck! We're excited to see what you build!**