Pathwise – Product Overview

Target for the Product
The primary target audience for this product includes:

- University students and recent graduates looking to define or refine their career goals.
- Young professionals who want to pivot or advance in their career path.
- Job seekers who are struggling to identify suitable opportunities based on their experience and skills.
- Career guidance platforms or educational institutions looking to integrate intelligent career planning tools.

Why the Product Is Needed
The job market is increasingly complex and competitive. Many individuals:

- Don't know which career path fits their profile.
- Lack guidance on what skills, experiences, or certifications they need to reach a desired role.
- Are overwhelmed by the number of job boards and scattered information.
- Need customized guidance and live job suggestions to take actionable steps toward their dream job.

Description of the Product
The product is an AI-driven web platform that:

- Collects user data via a comprehensive survey on skills, experience, education, and aspirations.
- Generates a career roadmap to guide users step-by-step toward their dream job.
- Connects to job listing platforms to show real job opportunities tailored to the user's profile.
- Continuously updates the roadmap based on profile updates, market shifts, and new job postings.
- Offers recommendations for skill-building, alerts for matching jobs, and suggestions for networking and courses.

This product fills that gap by combining AI-powered career planning with real-time job listings, helping users move from confusion to clarity with a structured and personalized roadmap.

Objective of the Business

To develop a platform that helps users plan and advance their professional careers toward their dream job by providing personalized and structured career roadmaps. The platform will now also integrate with job listing platforms, allowing it to match users with current job offers based on their profile and résumé.

Task	Priority	Description
Create backend structure for user profile storage split into more tasks	Must	Necessary to support user data for roadmap and job matching
Develop and integrate user survey interface	Must	Already implemented, basis for collecting skills/experience
Connect to job platform API (e.g., LinkedIn or Magneto)	Must	Enables real-time job offer search based on profile
Build recommendation engine for career roadmap	Should	Already implemented with AI API
Match job offers with user profile	Should	Filter job listings according to skills, goals, location
Design UI for job suggestions and career roadmap	Must	Users must easily navigate job offers and pathways
Allow users to update profile and get new roadmap	Should	Ensure data stays relevant as the user progresses
Implement notification system for new job matches	Could	Keep users informed of new opportunities
Enable job application via platform	Could	Connect users directly to job applications
Integrate AI-based resume review and improvement suggestions	Won't yet	Post-launch feature idea

High level design

Capture Layer

Template

Home

User Survey

Profile Management

Authentication

Models

User Profile

Career Roadmap

Job ListlIngs

Database

User Profile Data

Roadmap Data

Authentication

Analysis and Processing Layer

Views

Survey Processing

Roadmap Generation

Recommendations

Authentication

OpenAI

Job Platform

Visualization Layer

Template

Career Roadmap Display

Job Suggestions

Roadmap Updates / Notifications

HTML

OR django

Deployment

Application Server

Database Server