Talha Shahid (Upwork)

Project Requirements & Workflow Document

🔨 Project Name:

Influencer Food Map

🔍 Objective:

Build a dynamic, searchable, and map-based website that displays restaurants visited by YouTube food influencers (e.g., Mark Wiens, Alexander the Guest Food). The listings are automatically or semi-automatically extracted from influencer videos (YouTube), including restaurant names, addresses, ratings, and associated influencer metadata.

🗺️ Key Features

Interactive Map Interface

- - Map with location markers for restaurants
- - Clickable pins showing: Restaurant name, influencer name, Visit date, Video link, Snippets
- - City and country filters
- - Influencer filter (USA, UK, PK food influencers)

Search & Filtering

- - By city, influencer, category (BBQ, street food, fine dining)
- - Text search for restaurant name or location

Listing Detail Page

- - Restaurant Name, Location (lat/lng, address)
- - Branch name
- - Influencer(s)
- - Embedded YouTube Video
- - Video summary
- - Quotes from video
- - Google rating
- - Live status
- - Tags

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Influencer Profile Pages

- - Bio, Region
- - Number of videos scraped
- - Map of visited places
- - YouTube metadata

Admin Dashboard

- - Manually add/edit/delete listings
- - Approve scraped listings
- - Add/remove influencers

⚙️ Workflow (End-to-End Automation/Manual Hybrid)

• Influencer Discovery: Maintain a list of influencer channels, stored in DB with metadata

• YouTube Video Scraper: Fetch new videos, titles, descriptions using YouTube API

• Video Processing Pipeline: Transcribe videos with Whisper, summarize with OpenAI

• Entity Recognition & Extraction: Extract restaurants/cities via NLP, validate with Google Maps API

• Store in Database: Structured listing with metadata and confidence score

• Frontend Map Display: Display using Mapbox or Google Maps API

💼 Tech Stack (Flexible)

Frontend: React.js / Next.js, Tailwind, Mapbox
Backend: Supabase (PostgreSQL) or Firebase
Automation: Python (YouTube API, Whisper, GPT-4, Google APIs)
Hosting: Vercel or Firebase Hosting
Admin Panel: React/Nextjs Admin or Supabase Studio
Storage: Supabase (videos/meta) or Airtable
Deployment: GitHub + Docker

🔐 APIs to Use

- - YouTube Data API v3 – fetch influencer videos
- - Google Maps Places API – validate and fetch restaurant location & rating
- - Whisper/OpenAI API – transcription and summarization
- - Mapbox/Google Maps API – map view and geolocation display

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☑ Deliverables

- - Responsive Web App (Map + Listings)
- - Admin Dashboard
- - Automated Video-to-Listing Pipeline
- - Influencer Profiles
- - Documentation: API Keys & Setup, Scraper Usage, Admin Usage Guide