Roadmap: Python Itinerary Generator Build

Building a Python itinerary planner using AI and web scraping.

Based on Building A Python Itinerary Generator With Ai And Location Scraping Cursor Gemini 2 5 Flash by Casey Builds It

Phase 1: Project Definition and Setup

- Define core functionality: itinerary generation based on user input (dates, party size, budget, activities).
- Establish goal: dynamic location data pulling from free sources (OpenStreetMap, Wikipedia, DuckDuckGo).
- Set up development environment using Cursor and Gemini 2.5 Flash.
- Feed reference material from existing itinerary features into Cursor.

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Phase 2: Core Feature Development

- Implement date selection functionality.
- Develop party composition input (adults, kids, dogs).
- Integrate budget preference input.
- Add custom activity request input.

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Phase 3: Location Data Scraping Implementation

- Develop logic to pull location-based ideas on the fly.
- Integrate with OpenStreetMap for location data.
- Integrate with Wikipedia for information.
- Integrate with DuckDuckGo for search results.

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Phase 4: Initial Testing and Debugging

- Test the tool with Colorado Springs as the first location.
- Identify and debug issues with location scraping.
- Compare free scraping methods against paid options (e.g., Google Places API).

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Phase 5: Advanced Testing and Refinement

- Test with Portland, Maine, focusing on ambiguous place names.
- Refine scraping logic to handle duplicate or unclear place names.
- Analyze API cost comparisons (Gemini Flash vs. Claude).

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Phase 6: PDF Export Functionality

- Implement PDF export for finished itineraries.
- Ensure generated PDFs are client-ready or usable for personal planning.



Phase 7: Future Enhancements Planning

- Plan for weather API integration.
- Consider GPS-based distance filtering.
- Explore event API integration for local happenings.
- Outline steps for database caching and web application development.

Resources & Further Reading

Related guides for this timeline:

Build a Python Itinerary Generator (Action Sheet)

https://storage.googleapis.com/casey-builds-it-checklists-20260727-d45d2a/casey-builds-it/Action%20Sheet/building-a-python-itinerary-generator-with-ai-and-location-scraping-cursor-gemin-action-sheet.pdf

Questions to Ask Before Building Your Own AI Itinerary Generator

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