

Roadmap: Python Itinerary Generator Build

Building a Python itinerary planner using AI and location scraping.

Based on [Building A Python Itinerary Generator With Ai And Location Scraping](#) Cursor Gemini 2.5 Flash by Casey Builds It

Phase 1: Define Core Features & Initial Setup

- Pull reference material from existing itinerary feature.
- Feed examples into Cursor for AI assistance.
- Define core feature set: date selection, party composition, budget, custom activities, PDF export.



Phase 2: Develop Standalone Tool Architecture

- Establish Python-based application structure.
- Integrate AI (Gemini 2.5 Flash) for generation.
- Plan for dynamic location data pulling.



Phase 3: Implement Location Data Scraping

- Integrate free data sources (OpenStreetMap, Wikipedia, DuckDuckGo).
- Develop logic to pull real businesses, restaurants, and activities.
- Test scraping against initial locations.



Phase 4: Initial Location Testing: Colorado Springs

- Use Colorado Springs as the first real test case.
- Generate an itinerary based on live data.
- Evaluate the quality and relevance of suggestions.



Phase 5: Advanced Location Testing: Portland, Maine

- Test with Portland, Maine to handle ambiguous place names.
- Identify and address issues with duplicate or unclear locations.
- Refine scraping and AI logic based on test results.



Phase 6: Debugging and API Comparison

- Address specific debugging issues encountered during scraping.
- Compare free scraping methods against paid options (e.g., Google Places API).

- Analyze API cost implications (Gemini Flash vs. Claude).



Phase 7: Future Enhancements & Scalability

- Explore Weather API integration for smarter planning.
- Consider GPS-based distance filtering.
- Investigate Event APIs for local happenings.
- Plan for database caching to enable 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-20260731-e718c1/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

<https://storage.googleapis.com/casey-builds-it-checklists-20260727-d45d2a/casey-builds-it/Questions%20to%20Ask/building-a-python-itinerary-generator-with-ai-and-location-scraping-cursor-gemin-questions-to-ask.pdf>

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Prototyping with AI and free data sources can create powerful, scalable tools.