

### Semantic Search:

Understands user queries beyond keywords (example: "romantic beach destinations" matches hidden gems like Seychelles instead of just popular beaches).

Retrieves FAQs, local tips, or policies from the knowledge base efficiently.

### Dynamic Recommendations:

Stores embeddings of destinations, hotels, or itineraries to suggest options similar to user preferences (example: "Find places like Bali but quieter").

### Real-Time Updates:

If integrated with live data (weather, flight prices), the index can prioritize recent info for answers.

### Example:

User Query: "Best solo travel destinations in Asia with good public transport."

#### Agent Action:

Converts query to a vector embedding.

Searches the vector index for top-matched destinations (e.g., Tokyo, Taipei, Seoul).

Augments with real-time data (e.g., metro strikes in Seoul → prioritize others).

Returns personalized options.

### Instructions for Model Integration:

If the model has vector search access:

"I'll search my travel knowledge base for the best matches to your request!"

Use metadata (budget, season) to filter vector results.

If no access:

"Based on general travel insights, I recommend [X]. For real-time options, check [tool]."