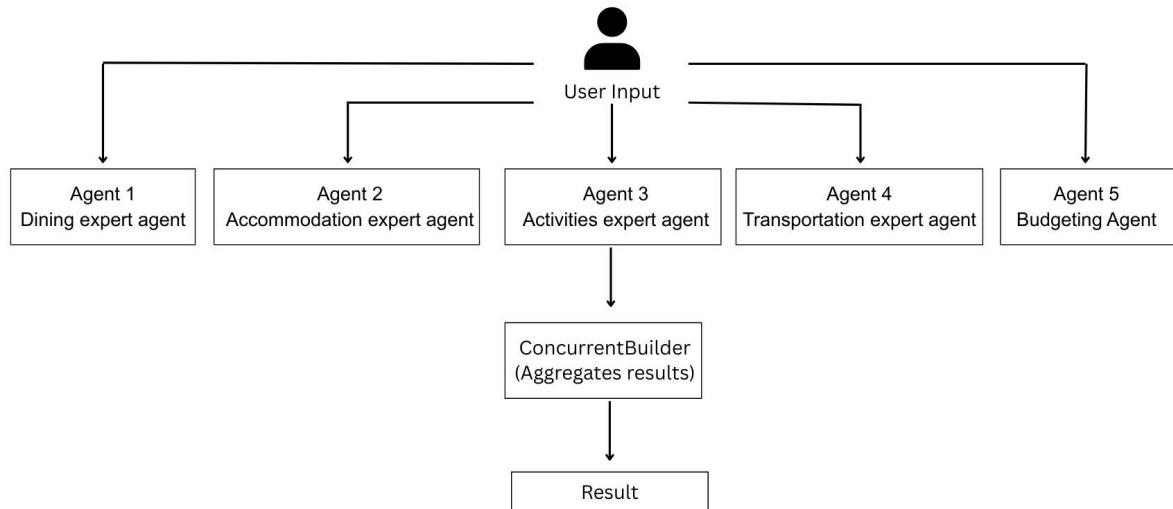


# Concurrent Orchestration

## Overview

The concurrent orchestration pattern enables multiple agents to work on the same task in parallel. Each agent processes the input independently, and their results are aggregated. This is useful for brainstorming, ensemble reasoning, or voting systems.

## Concurrent orchestration workflow



## Key Features

1. Agents
2. Concurrent builder

## Prerequisites

Before starting, make sure you have:

- Azure openAI Credentials in env.
  - AZURE\_OPENAI\_API\_KEY="YOUR\_API\_KEY"
  - AZURE\_OPENAI\_ENDPOINT="YOUR\_ENDPOINT"

```
○ AZURE_OPENAI_CHAT_DEPLOYMENT_NAME="gpt-4o"  
○ AZURE_OPENAI_API_VERSION="2024-12-01-preview"
```

- Agent-framework installed.
  - pip install agent-framework