# Assessment Sheet – AI Agents SDK (OpenAI + Tools)

## Assessment Format

Participants will receive the In‑N‑Out Burger menu. They will write or modify agent code based on the instructions. You will evaluate tool integration, agent interaction, orchestration logic, and deployment approach.

## Part A – Single-Agent Tasks

A1. Create an Agent

- Responds using the provided menu  
- Uses "gpt-3.5-turbo" model  
- Must answer in a helpful, conversational tone

A2. Add a Tool – calculate\_tax(order\_total: float, tax\_rate: float)

- Connect this tool to the agent  
- Must return price plus tax  
- Sample input: What is the total price of 2 Cheeseburgers and 2 Shakes including tax?

A3. Enable Conversation Memory

- Use assemble\_conversation() to simulate an order flow:  
 - Input 1: Let me order 1 Double Double and fries  
 - Input 2: Make it a combo  
 - Input 3: Add a coffee too

## Part B – Multi-Agent Orchestration

B1. Create a Web Search Agent

- Name: mcdonalds\_agent  
- Use WebSearchTool() (no fixed menu)  
- Query example: How much is a BigMac?

B2. Create an Orchestrator Agent

- Name: orchestrator\_agent  
- Includes:  
 - in\_n\_out\_burger\_assistant  
 - mcdonalds\_assistant  
- Handles queries like: Is a BigMac or a DoubleDouble AnimalStyle cheaper?

## Part C – Deployment Task

C1. Deploy the Agent as a Web App

- Use Gradio, Streamlit, or FastAPI  
- The interface must:  
 - Accept user input  
 - Display agent responses  
 - Optionally allow PDF upload for advanced queries

C2. Optional Cloud Hosting

- Deploy using Gradio - If deployed, share a working link or deployment steps

## Evaluation Rubric

|  |  |
| --- | --- |
| Criteria | Weight |
| Correct agent and tool setup | 20% |
| Functional code with no errors | 20% |
| Use of function\_tool or WebSearchTool | 20% |
| Multi-agent orchestration | 20% |
| Deployment and interface | 20% |

## In‑N‑Out Burger Menu (2025)

Prices are approximate and subject to change.

### Burgers & Combos

|  |  |
| --- | --- |
| Item | Price |
| Additional Burger Patty (per extra) | $1.30 |
| Additional Cheese Slice (per extra) | $0.50 |
| Hamburger | $3.60 |
| Hamburger Combo | $8.15 |
| Cheeseburger | $4.10 |
| Cheeseburger Combo | $8.65 |
| Double Double® | $5.90 |
| Double Double® Combo | $10.45 |
| French Fries | $2.30 |

### Beverages

|  |  |
| --- | --- |
| Item | Price |
| Coffee | $1.35 |
| Hot Cocoa | $2.25 |
| Milk | $0.99 |
| Shakes (Chocolate, Strawberry, Vanilla) | $3.00 |
| Soda (Small) | $2.10 |
| Soda (Medium) | $2.25 |
| Soda (Large) | $2.45 |
| Soda (X‑Large) | $2.65 |

### Not‑So‑Secret Menu Options

- Protein Style Burger: Any burger wrapped in lettuce instead of a bun

- Animal Style: Burger or fries served with a mustard‑cooked beef patty, extra spread, pickles, and grilled onions

Tax not included

Tax is 7.25%