# Codelab 3 - Getting started with a2a action engine

Burger Agent

```
{
  "capabilities": {
    "streaming": true
  },
  "defaultInputModes": [
    "text",
    "text/plain"
  ],
  "defaultOutputModes": [
    "text",
    "text/plain"
  ],
  "description": "Helps with creating burger orders",
  "name": "burger_seller_agent",
  "protocolVersion": "0.2.6",
  "skills": [
    {
      "description": "Helps with creating burger orders",
      "examples": [
        "I want to order 2 classic cheeseburgers"
      ],
      "id": "create_burger_order",
      "name": "Burger Order Creation Tool",
      "tags": [
        "burger order creation"
      ]
    }
  ],
  "url": "https://burger-agent-54859091642.us-central1.run.app",
  "version": "1.0.0"
}
```

Pizza Agent

```json
{
  "capabilities": {
    "streaming": true
  },
  "defaultInputModes": [
    "text",
    "text/plain"
  ],
  "defaultOutputModes": [
    "text",
    "text/plain"
  ],
  "description": "Helps with creating pizza orders",
  "name": "pizza_seller_agent",
  "protocolVersion": "0.2.6",
  "skills": [
    {
      "description": "Helps with creating pizza orders",
      "examples": [
        "I want to order 2 pepperoni pizzas"
      ],
      "id": "create_pizza_order",
      "name": "Pizza Order Creation Tool",
      "tags": [
        "pizza order creation"
      ]
    }
  ],
  "url": "http://0.0.0.0:8080/",
  "version": "1.0.0"
}
```

## Purchasing Concierge

```
nikhilkhanchandani@cloudshell:~/purchasing-concierge-a2a (nikhil-ai-agents-19137)$ bash test_agent_engine.sh
{"content": {"parts": [{"thought_signature": "CtUCAePx_15WOwVhMPPNrFPcQLUGeKcL-OD5q6m0EDWLVoMmG31MlxgvJZgitsNBg3XyrI4D4oHWvVkVrrqwNI3xRt4wUATA3TUL9b23Ponu1uk71N3Iirttb5XJiLLxez
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w-A_O7QG1D0kQp8ekV7cw3mfsHZAE1s0mm1kTrsIr5CKHky7VPJTMFcRGLWQ6YoeTUUEEAJlKg9DvNGL0vZsW19MeEjtsULgJg0OPbeg_kgC-6EVEPcA0Z6BzyYdFmvE8G0HdExp3AHgDkJnfyZoeCVlM=", "function_call": {"
id": "adk-2830ec8e-a67b-49e6-9c2a-6652f990c476", "args": {"task": "List available burger menu", "agent_name": "burger_seller_agent"}, "name": "send_task"}}], "role": "model"},
"finish_reason": "STOP", "usage_metadata": {"candidates_token_count": 16, "candidates_tokens_details": [{"modality": "TEXT", "token_count": 16}], "prompt_token_count": 534, "pr
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243751526, "invocation_id": "e-520cd550-9714-4316-a03e-0771baa5d00f", "author": "purchasing_agent", "actions": {"state_delta": {"session_id": "ad487a5b-1d73-45e6-b0ec-1ecf8d1f6
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{"content": {"parts": [{"function_response": {"id": "adk-2830ec8e-a67b-49e6-9c2a-6652f990c476", "name": "send_task", "response": {"result": {"artifacts": [{"artifactId": "8d6b0
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\n- Classic Cheeseburger: IDR 85K\n- Double Cheeseburger: IDR 110K\n- Spicy Chicken Burger: IDR 80K\n- Spicy Cajun Burger: IDR 85K\n\nLet me know if you'd like to place an orde
r!"}]}], "contextId": "ad487a5b-1d73-45e6-b0ec-1ecf8d1f688e", "history": [{"contextId": "ad487a5b-1d73-45e6-b0ec-1ecf8d1f688e", "kind": "message", "messageId": "b4ae0af0-a5ae-4
a69-9355-3e047dc6defb", "parts": [{"kind": "text", "text": "List available burger menu"}], "role": "user", "taskId": "e088edf0-ceee-44d5-b159-0c8bb0ac1cd0"}], "id": "e088edf0-c
eee-44d5-b159-0c8bb0ac1cd0", "kind": "task", "status": {"state": "completed"}}}}], "role": "user"}, "invocation_id": "e-520cd550-9714-4316-a03e-0771baa5d00f", "author": "purch
asing_agent", "actions": {"state_delta": {"active_agent": "burger_seller_agent"}, "artifact_delta": {}, "requested_auth_configs": {}, "requested_tool_confirmations": {}}, "id":
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jun Burger: IDR 85K\n\nLet me know if you'd like to place an order!"}], "role": "model"}, "finish_reason": "STOP", "usage_metadata": {"candidates_token_count": 66, "candidates_
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943, "traffic_type": "ON_DEMAND"}, "avg_logprobs": -1.788262990444447e-05, "invocation_id": "e-520cd550-9714-4316-a03e-0771baa5d00f", "author": "purchasing_agent", "actions":
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97.667184}
```

Integrating UI:

# Purchasing Concierge

This assistant can help you to purchase food from remote sellers.

💬 Chatbot

                                              'text': 'show menu'}],
                                'role': 'user',
                                'taskId': '6a9c6803-819c-4bee-9529-29db09be53c4'}],
                  'id': '6a9c6803-819c-4bee-9529-29db09be53c4',
                  'kind': 'task',
                  'status': {'state': 'completed'}}}}

Here is our burger menu:

- Classic Cheeseburger: IDR 85K
- Double Cheeseburger: IDR 110K
- Spicy Chicken Burger: IDR 80K
- Spicy Cajun Burger: IDR 85K

Here is our pizza menu:

- Margherita Pizza: IDR 100K
- Pepperoni Pizza: IDR 140K
- Hawaiian Pizza: IDR 110K
- Veggie Pizza: IDR 100K
- BBQ Chicken Pizza: IDR 130K

Sure, I've created your order for 1 BBQ Chicken Pizza. The total price is IDR 130,000. Your order ID is 314cc804-dbfb-4388-bd6d-ce1589aaae9a.

Anda memesan 1 Spicy Cajun Burger dengan harga IDR 85K. Apakah Anda ingin melanjutkan pesanan ini?