**Test Micro-service Architecture**

**Service 1**:

hello.py

A computer screen with text

Description automatically generated

Dockerfile

A screenshot of a computer program

Description automatically generated

**Service 2**:

goodbye.py

A screen shot of a computer code

Description automatically generated

Dockerfile

A screenshot of a computer program

Description automatically generated

**docker-compose file**:

version: '3'

services:

  # Define the hello application

  hello:

    # Build the Dockerfile that's in the hello directory

    build: ./hello

  # Define the goodbye application

  goodbye:

    # Build the Dockerfile that's in the goodbye directory

    build: ./goodbye

    # Don't create this container until the hello container (below) has been created

    depends\_on:

      - hello

    # Expose port 5001 to the host machine

    ports:

    - "5001:5001"

**Build and Run**:

$ docker-compose build

$ docker-compose up

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