Azure Function Skills

- Implement functions triggers by using data operations, timers and webhooks

- Implement input / output bindings for a functions

- Implement azure durable functions

Azure Functions are serverless applications platforms, FaaS "function as a service".

**Azure function** apps are related to azure functions, but they are deployed as a group.

Function Choices:

1. Hosting Choices
   1. Consumption Plan – serverless with automatic scale 5min limit
   2. App Service Plan – traditional pricing model
   3. Premium Plan – security capabilities
   4. Docker container

# Function Triggers

Implement functions triggers by using data operations, timers and webhooks

1. HTTP request trigger
2. Timer trigger - trigger types
3. Blob storage

# Durable Functions

These are different types of function that allow for stateful consistent operation.

* Function chaining
* Fan out fan in
  + Run several activity functions in parallel
* Async HTTP Apis
* Monitor
  + Poll and sleep pattern
* Human Interaction
  + Request function send information to a user and the user

# Custom Handler (Revisit)

Sometimes you want to create a function that uses a non-supported runtime environment. As a result a **custom handler** must be placed to support the binding operations.