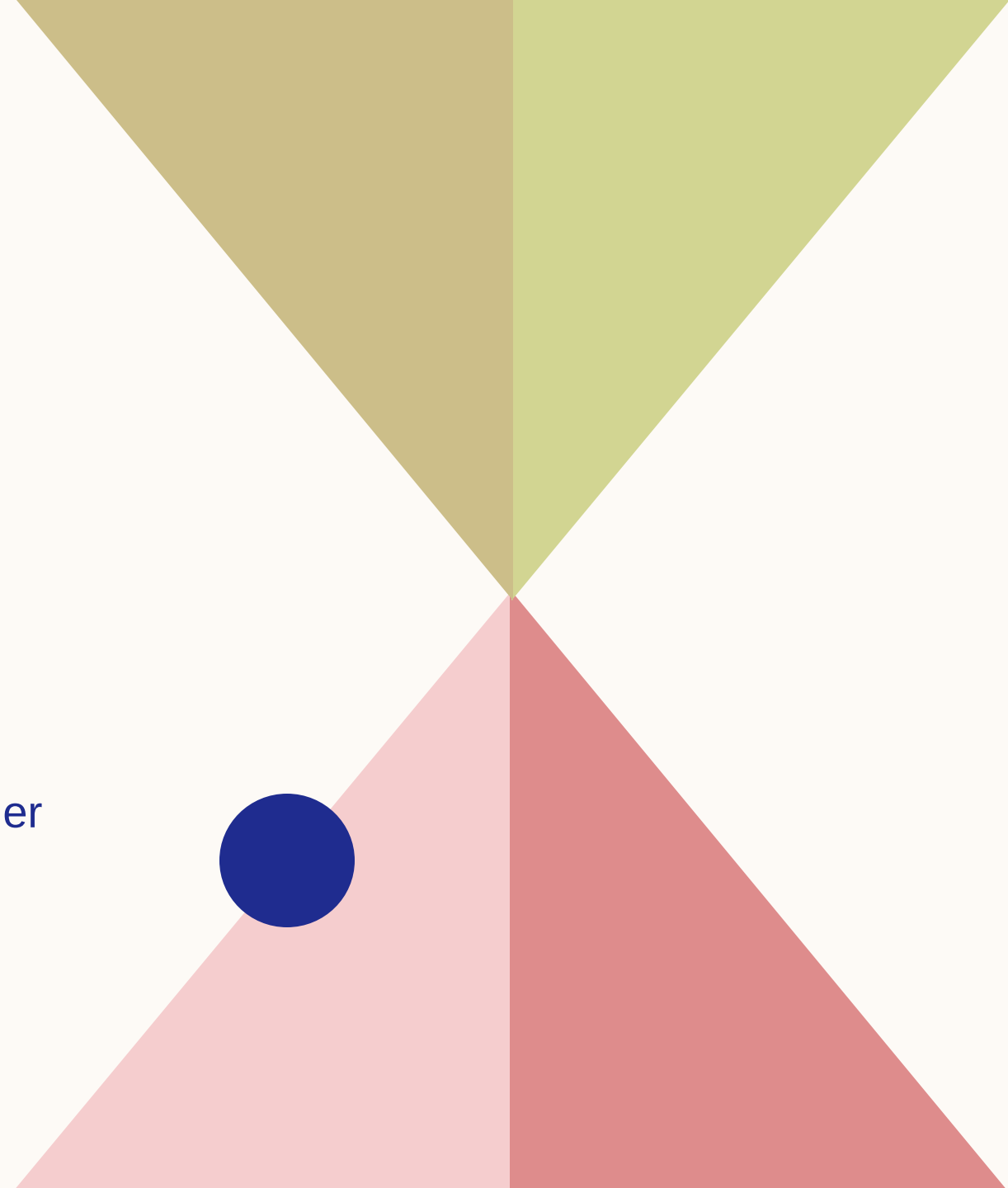
# .NET TRAINING
# WEEK 3

# AGENDA

- Introduction to WEB API
  - What is API
  - Understanding WEB API folder structure
  - Working with Controllers and Action methods
  - Http Verbs (Get, Post)
  - Creating an API in .NET Core
  - Return Types
  - Routing
  - Testing/Debugging API from Postman/Swagger

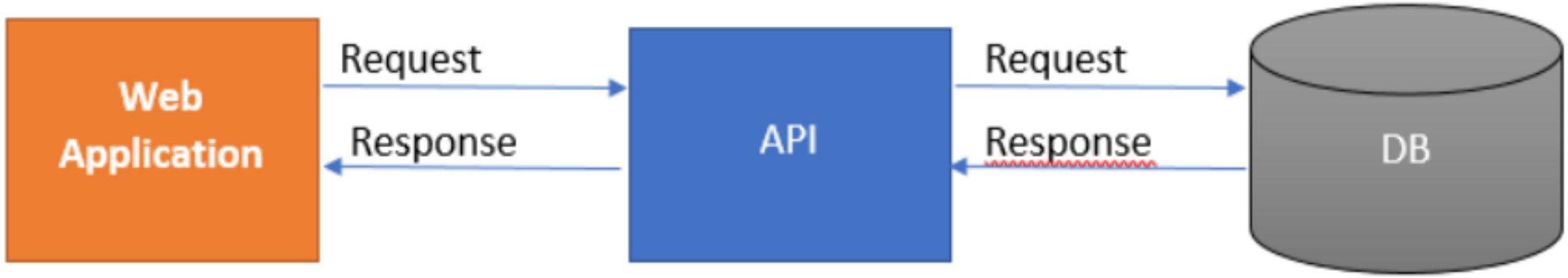


# • API-Application Programming Interface

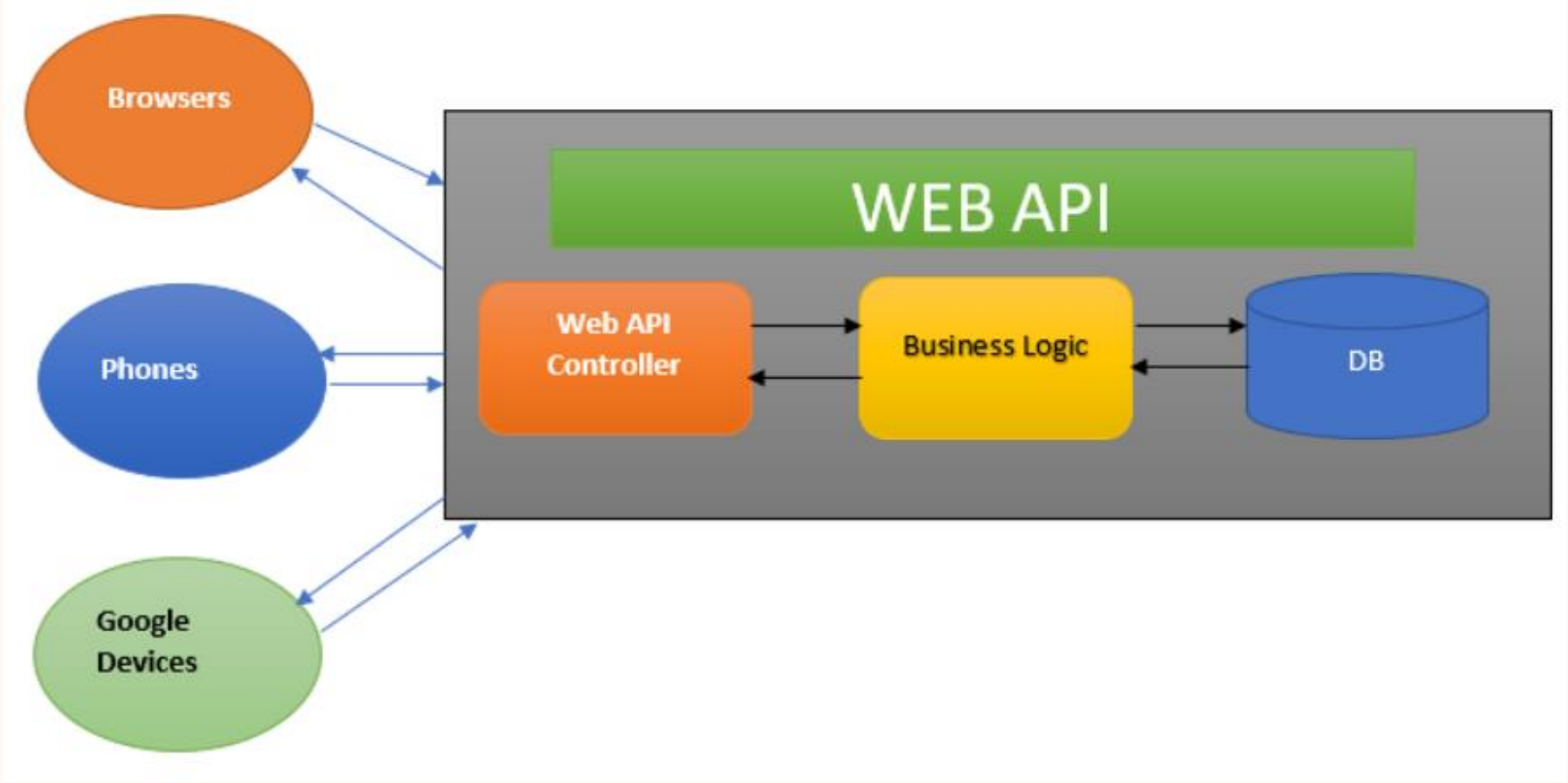
## What is Web API?

The first question that comes to mind is, "What is API"?

API stands for Application Programming Interface. It is an intermediate software agent that allows two or more applications to interact with each other.



# WORKING OF API

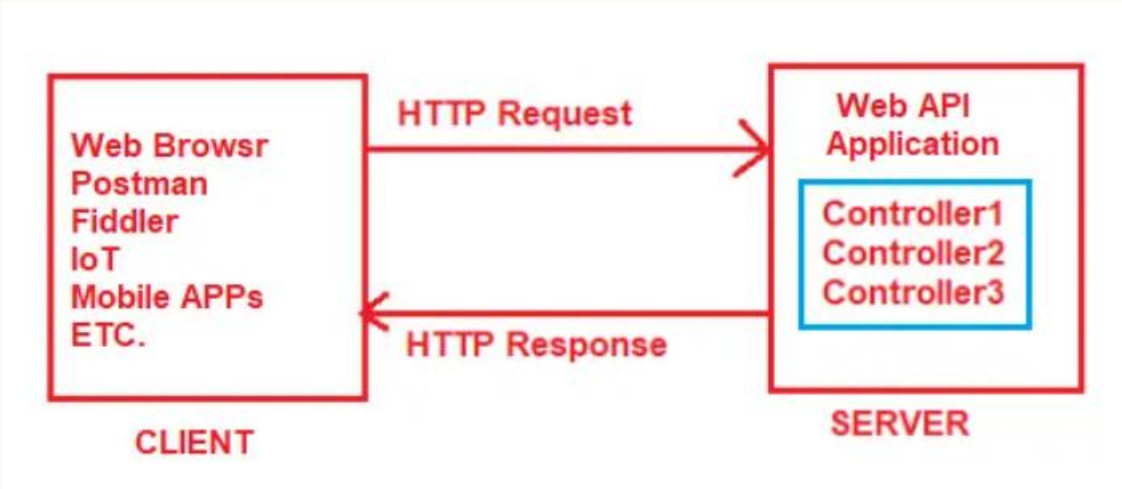


# HTTP VERBS

| Method | HTTP Verb |
| --- | --- |
| Read | GET |
| Create | POST |
| Full Update | PUT |
| Partial Update | PATCH |
| Delete | DELETE |

# • ROUTING IN ASP.NET CORE WEB API

Routing in ASP.NET Core Web API application is the process of mapping the incoming HTTP Request (URL) to a particular resource i.e. controller action method.



# IActionResult

provides a flexible way to return various types of results.

# THANK YOU

# .NET TRAINING WEEK 4

# AGENDA

- Introduction to Azure Cosmos DB Emulator
  - Database
  - Containers
  - Items

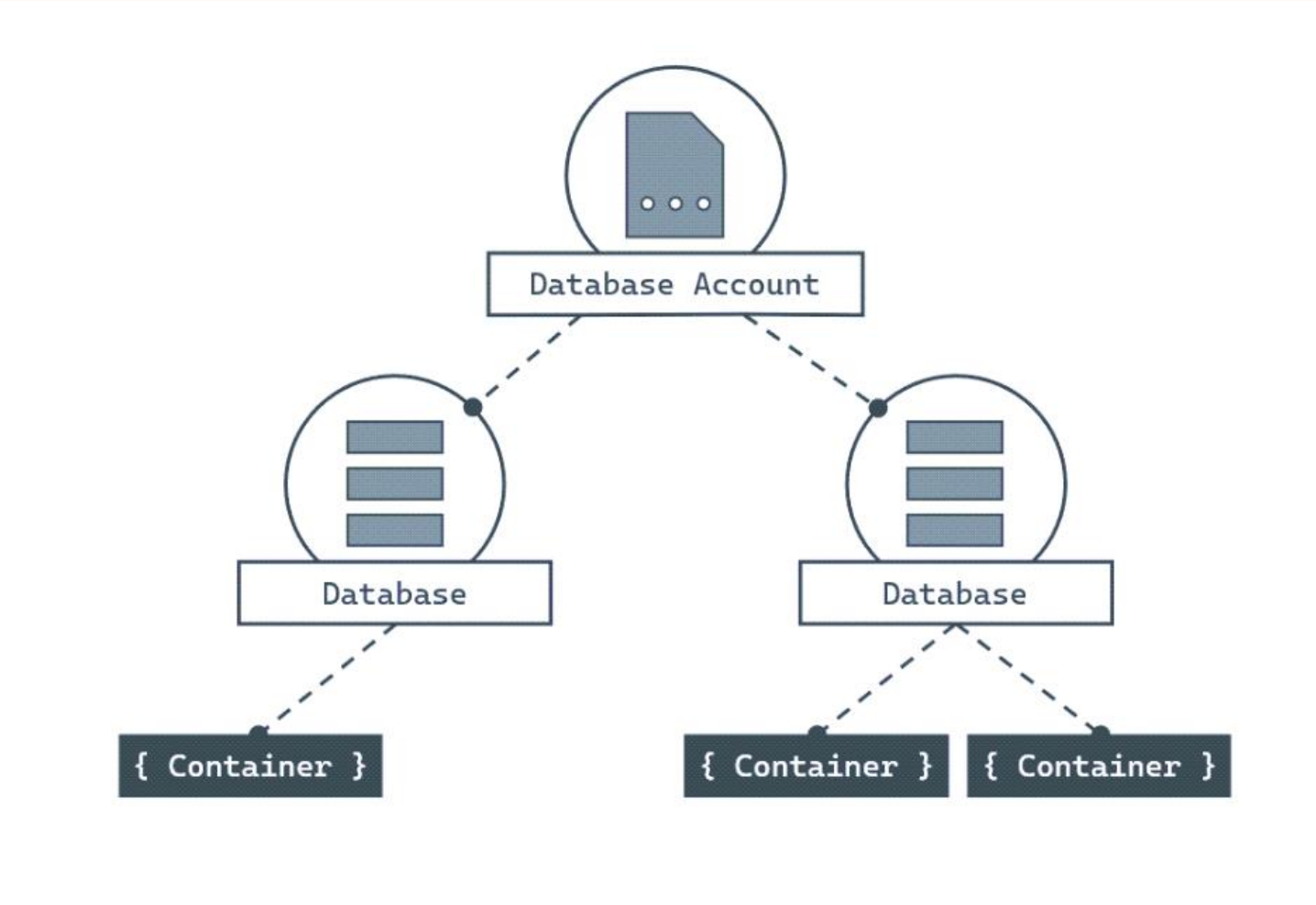
  - Data transfer objects
  - Database Connectivity
  - Perform simple operation with database

# Azure Cosmos DB Emulator

- It is a tool provided by Microsoft to locally develop and test application that use Azure Cosmos DB.
- Allows you to create and manage database, containers, items
- Run queries on local instance.
- Manages large scale data.
- Cloud based NoSQL db.
- Serves PAAS(Platform As A Service).

*Download : https://aka.ms/cosmosdb-emulator

# Azure Cosmos DB Emulator



# Azure Cosmos DB Emulator

**Important Points**

1. URI
2. Primary Key
3. Database Name
4. Container Name

# Azure Cosmos DB Emulator

**Cosmos Client**
**Database**
**Container**
**Item**

# THANK YOU