



BUILDING CROSS-PLATFORM SERVER-SIDE DATA APIS

JULIE LERMAN

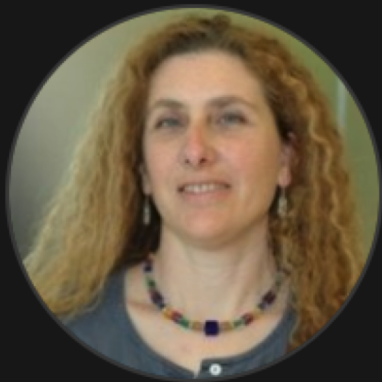
THEDATAFARM.COM @JULIELERMAN

TECHORAMA

DEEP KNOWLEDGE IT CONFERENCE

May 22-24 | 2018

Antwerp, Belgium



Julie Lerman 📢

Pluralsight Author

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Julie Lerman has been programming and mentoring developers for over 25 years and brings a wealth of experience and knowledge to share with Pluralsight subscribers. She is the leading independent authority on the Entity Framework and has been using and teaching EF since its inception.

COURSES AUTHORED

20

All time

TOP



orm

Courses by Julie

Entity Framework Core 2: Mappings

by Julie Lerman

Intermediate

1h 59m

Entity Framework Core 2: Getting Started

by Julie Lerman

Beginner

2h 42m

6 February 2018

★★★★★ (67)

Cross-platform SQL Server Management for Developers Using VS Code

by Julie Lerman

Intermediate

2h 21m

11 September 2017

★★★★★ (20)



Two Types of Data APIs

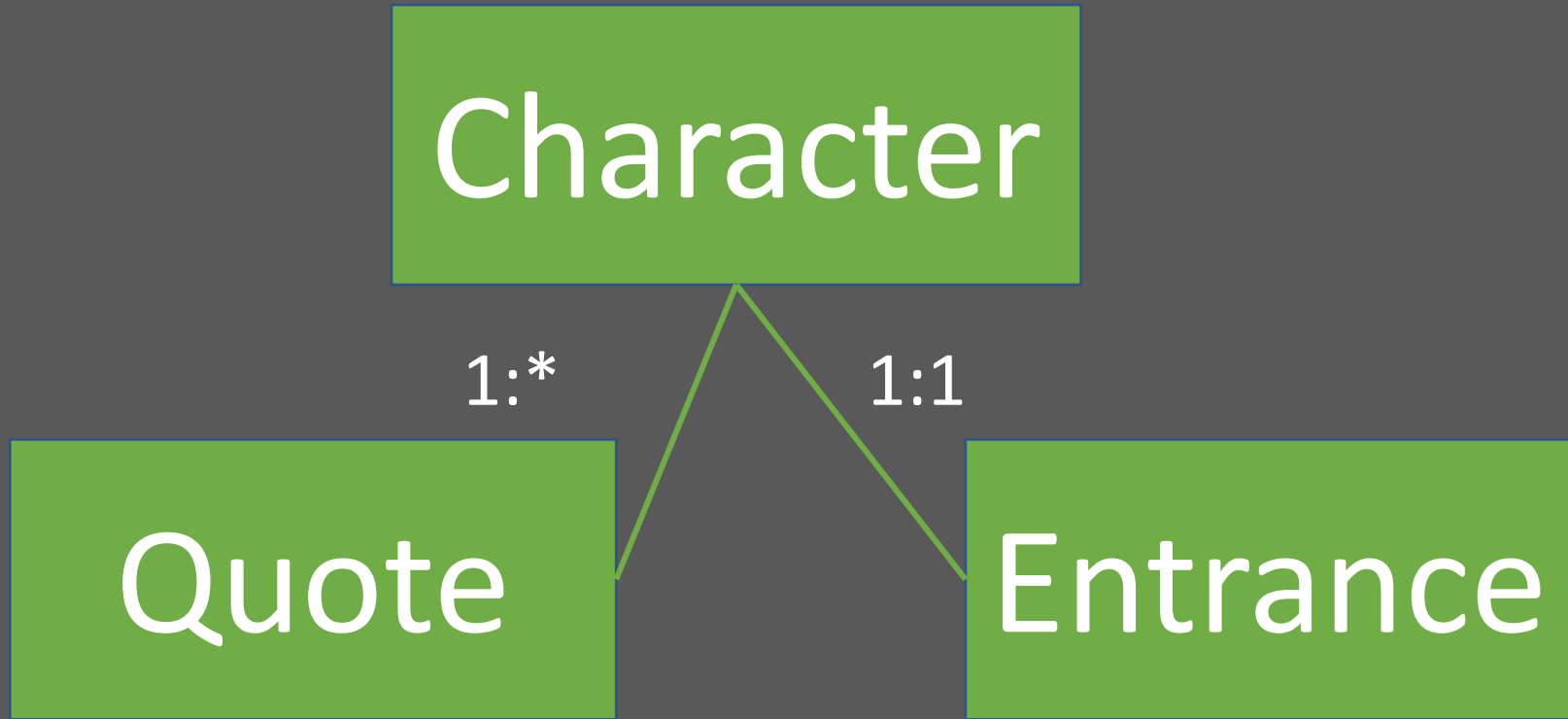
ASP.NET Core Web API

“Demo-ware” → Better architectural practices
ASP.NET Core 2.1, EF Core 2.1, SQLite

Serverless Data API

Azure Functions via Azure Portal
Integrate with Azure Cosmos DB

Web API Domain Model

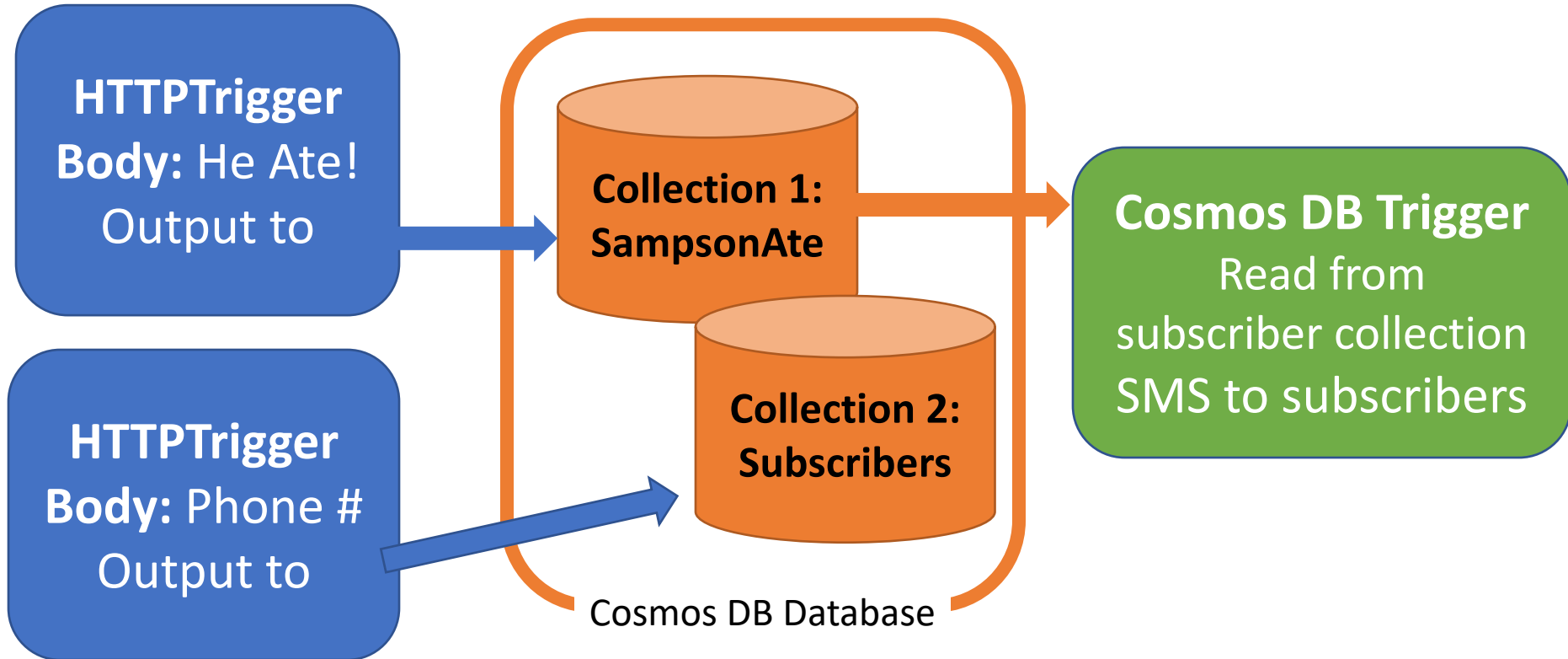


NOT CRUD

Actions I Want My API to Enable

- ✓ **Create** a new character with just a name
- ✓ **Create** a new character with name and entrance
- ✓ **Insert** a full character graph as a [valid] JSON object
- ✓ **Add** a quote to an existing character
- ✓ **Add** or replace an entrance to an existing character
- ✓ **Retrieve** a list of character names with ID
- ✓ **Retrieve** a full set of data for a single character

A Trio of Azure Functions



bit.ly/ngmix

9 digits (No country code or 0)

Resources

The code from this demo will be at github.com/julielerman/2018DataApi

Julie's Pluralsight Author Page bit.ly/2t6m83w

(newest courses: EF Core 2: Getting Started, EF Core 2: Mappings)

ASPNetCore: dot.net

EF Core: docs.microsoft.com/efcore

January 2018 MSDN Magazine Data Points column:
Creating Azure Functions to Interact with Cosmos DB

Azure CosmosDb: aka.ms/CosmosDb

Azure Functions: aka.ms/Azure/Functions