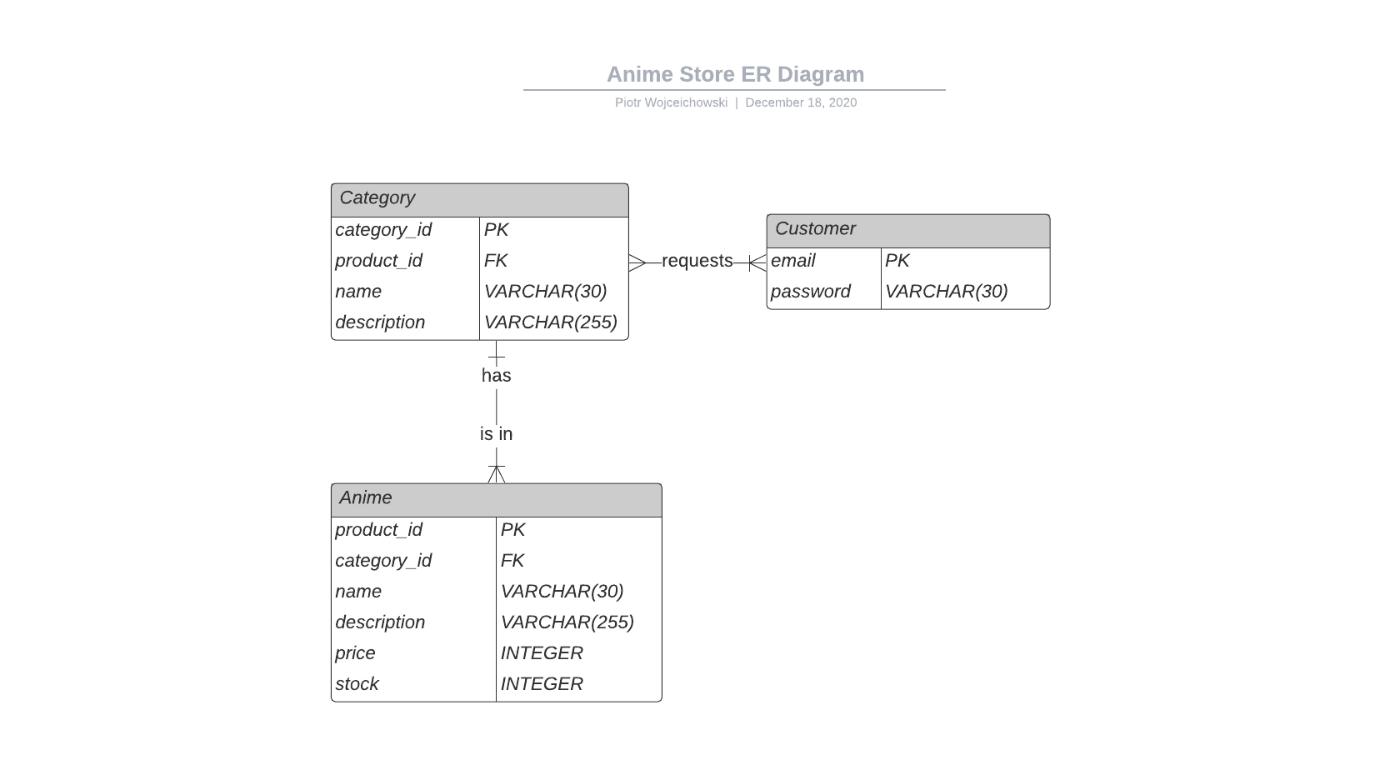
SERVER-SIDE WEB DEVELOPMENT

CA2

# Piotr Wojciechowski – X00152561

# ERD Diagram



# API ENDPOINTS

PRODUCT

**--GET--**

/anime/

/anime/id

/anime/bycat/id

**--POST--**

/anime/

**--PUT--**

/anime/

**--DELETE--**

/anime/id

CATEGORY

**--GET--**

/category/

/category/id

**--POST--**

/category/

**--PUT--**

/category/id

**--DELETE--**

/category/id

# USER LOGIN INFORMATION

Note: refresh the site if admin options don’t appear

admin@test.com

adminpass87645\_

user@test.com

userpass87645\_

manager@test.com

managerpass87645\_

# SQL SCRIPT

/\*

This T-SQL script creates a MS MSQL database with sample data

Tables:

-----------

| AppUser |

-----------

------------

| Category |

------------

1|

|

M|

------------

| Product |

------------

------------

| Link |

------------

1|

|

M|

------------

| Topic |

------------

\*/

/\*\*\*\*\*\* Object: Table [dbo].[AppUser] Script Date: 19/09/2019 09:51:01 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[AppUser](

[UserId] [int] IDENTITY(1,1) NOT NULL,

[FirstName] [nvarchar](255) NULL,

[LastName] [nvarchar](255) NULL,

[Email] [nvarchar](255) NOT NULL,

[Password] [nvarchar](255) NOT NULL,

[Role] [nvarchar](7) NOT NULL,

PRIMARY KEY CLUSTERED

(

[UserId] ASC

)WITH (STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Category] Script Date: 19/09/2019 09:51:01 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Category](

[CategoryId] [int] IDENTITY(1,1) NOT NULL,

[CategoryName] [nvarchar](255) NOT NULL,

[CategoryDescription] [nvarchar](255) NULL,

PRIMARY KEY CLUSTERED

(

[CategoryId] ASC

)WITH (STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Link] Script Date: 19/09/2019 09:51:01 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Link](

[LinkId] [int] IDENTITY(1,1) NOT NULL,

[TopicId] [int] NULL,

[LinkDate] [datetime] NULL,

[Name] [nvarchar](255) NULL,

[Description] [nvarchar](255) NULL,

[Notes] [nvarchar](255) NULL,

[LinkURL] [nvarchar](255) NULL,

PRIMARY KEY CLUSTERED

(

[LinkId] ASC

)WITH (STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Product] Script Date: 19/09/2019 09:51:01 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Anime](

[AnimeId] [int] IDENTITY(1,1) NOT NULL,

[CategoryId] [int] NULL,

[AnimeName] [nvarchar](255) NOT NULL,

[AnimeDescription] [nvarchar](500) NULL,

[AnimeStock] [int] NOT NULL,

[AnimePrice] [decimal](10, 2) NOT NULL,

PRIMARY KEY CLUSTERED

(

[AnimeId] ASC

)WITH (STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Topic] Script Date: 19/09/2019 09:51:01 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Topic](

[TopicId] [int] IDENTITY(1,1) NOT NULL,

[TopicName] [nvarchar](255) NOT NULL,

[TopicDescription] [nvarchar](255) NULL,

PRIMARY KEY CLUSTERED

(

[TopicId] ASC

)WITH (STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

SET IDENTITY\_INSERT [dbo].[AppUser] ON

GO

INSERT [dbo].[AppUser] ([UserId], [FirstName], [LastName], [Email], [Password], [Role]) VALUES (1, N'Piotr', N'Admin', N'piotr@web.com', N'password', N'admin')

GO

INSERT [dbo].[AppUser] ([UserId], [FirstName], [LastName], [Email], [Password], [Role]) VALUES (2, N'Bob', N'Manager', N'bob@web.com', N'password', N'manager')

GO

INSERT [dbo].[AppUser] ([UserId], [FirstName], [LastName], [Email], [Password], [Role]) VALUES (3, N'Eve', N'User', N'eve@web.com', N'password', N'user')

GO

SET IDENTITY\_INSERT [dbo].[AppUser] OFF

GO

SET IDENTITY\_INSERT [dbo].[Category] ON

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (1, N'Action', N'TV series that are heavily action-oriented')

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (2, N'Adventure', N'TV series about travels, journeys, conquests and treasure hunts.')

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (3, N'Drama', N'TV series with a serious tone')

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (4, N'Music', N'TV series dedicated to the presentation of music')

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (5, N'Shounen', N'TV series aimed at male teenagers')

GO

INSERT [dbo].[Category] ([CategoryId], [CategoryName], [CategoryDescription]) VALUES (6, N'Slice of Life', N'TV series that present mundane experiences')

GO

SET IDENTITY\_INSERT [dbo].[Category] OFF

GO

SET IDENTITY\_INSERT [dbo].[Anime] ON

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (1, 1, N'One Punch Man', N'The seemingly ordinary and unimpressive Saitama has a rather unique hobby: being a hero. Now, Saitama is incredibly powerful, so much so that no enemy is able to defeat him in battle. In fact, all it takes to defeat evildoers with just one punch has led to an unexpected problem—he is no longer able to enjoy the thrill of battling and has become quite bored.', 20, CAST(30.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (2, 1, N'Darling in the FranXX', N'In the distant future, humanity has been driven to near-extinction by giant beasts known as Klaxosaurs, forcing the surviving humans to take refuge in massive fortress cities called Plantations. Children raised here are trained to pilot giant mechas known as FranXX—the only weapons known to be effective against the Klaxosaurs—in boy-girl pairs.', 25, CAST(29.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (3, 1, N'Kill la Kill', N'After the murder of her father, Ryuuko Matoi has been wandering the land in search of his killer. Following her only lead—the missing half of his invention, the Scissor Blade—she arrives at the prestigious Honnouji Academy, a high school unlike any other.', 15, CAST(34.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (4, 2, N'Sword Art Online: Alicization - War of Underworld', N'Despite the defeat of Quinella—the pontifex of the Axiom Church—things have not seemed to calm down yet. Upon contacting the real world, Kazuto "Kirito" Kirigaya finds out that the Ocean Turtle—a mega-float controlled by Rath—was raided. Due to a sudden short-circuit caused by the raiders, Kirito''s fluctlight is damaged, leaving him comatose.', 35, CAST(39.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (5, 2, N'Log Horizon', N'In the blink of an eye, thirty thousand bewildered Japanese gamers are whisked from their everyday lives into the world of the popular MMORPG, Elder Tale, after the game''s latest update—unable to log out.', 30, CAST(25.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (6, 2, N'The Rising of the Shield Hero', N'The Four Cardinal Heroes are a group of ordinary men from modern-day Japan summoned to the kingdom of Melromarc to become its saviors. Melromarc is a country plagued by the Waves of Catastrophe that have repeatedly ravaged the land and brought disaster to its citizens for centuries.', 19, CAST(32.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (7, 3, N'Angel Beats!', N'Otonashi awakens only to learn he is dead. A rifle-toting girl named Yuri explains that they are in the afterlife, and Otonashi realizes the only thing he can remember about himself is his name. Yuri tells him that she leads the Shinda Sekai Sensen (Afterlife Battlefront) and wages war against a girl named Tenshi.', 23, CAST(25.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (8, 3, N'Clannad', N'Tomoya Okazaki is a delinquent who finds life dull and believes he''ll never amount to anything. Along with his friend Youhei Sunohara, he skips school and plans to waste his high school days away. One day while walking to school, Tomoya passes a young girl muttering quietly to herself.', 35, CAST(37.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (9, 4, N'Your Lie in April', N'Music accompanies the path of the human metronome, the prodigious pianist Kousei Arima. But after the passing of his mother, Saki Arima, Kousei falls into a downward spiral, rendering him unable to hear the sound of his own piano.', 31, CAST(40.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (10, 4, N'Kids on the Slope', N'Introverted classical pianist and top student Kaoru Nishimi has just arrived in Kyushu for his first year of high school. Having constantly moved from place to place since his childhood, he abandons all hope of fitting in, preparing himself for another lonely, meaningless year. That is, until he encounters the notorious delinquent Sentarou Kawabuchi.', 19, CAST(30.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (11, 5, N'Dr. Stone', N'After five years of harboring unspoken feelings, high-schooler Taiju Ooki is finally ready to confess his love to Yuzuriha Ogawa. Just when Taiju begins his confession however, a blinding green light strikes the Earth and petrifies mankind around the world—turning every single human into stone.', 34, CAST(55.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (12, 5, N'Food Wars! The Fifth Plate', N'Thanks to Souma Yukihira, Erina Nakiri, and the rebel forces overthrowing the regime of Azami Nakiri—the previous school director—and the former Elite Ten, Tootsuki Culinary Academy is back in order. However, its students have one more great battle ahead of them: the BLUE, a competition where young chefs seeking world-class fame compete', 19, CAST(56.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (13, 5, N'Noragami: Stray God', N'In times of need, if you look in the right place, you just may see a strange telephone number scrawled in red. If you call this number, you will hear a young man introduce himself as the Yato God.', 40, CAST(32.00 AS Decimal(10, 2)))

GO

INSERT [dbo].[Anime] ([AnimeId], [CategoryId], [AnimeName], [AnimeDescription], [AnimeStock], [AnimePrice]) VALUES (14, 6, N'K-On!', N'A fresh high school year always means much to come, and one of those things is joining a club. Being in a dilemma about which club to join, Yui Hirasawa stumbles upon and applies for the Light Music Club, which she misinterprets to be about playing simple instruments, such as castanets.', 50, CAST(80.00 AS Decimal(10, 2)))

GO

SET IDENTITY\_INSERT [dbo].[Anime] OFF

GO

ALTER TABLE [dbo].[Anime] ADD DEFAULT ((0)) FOR [AnimeStock]

GO

ALTER TABLE [dbo].[Anime] ADD DEFAULT ((0.00)) FOR [AnimePrice]

GO

ALTER TABLE [dbo].[Link] WITH CHECK ADD FOREIGN KEY([TopicId])

REFERENCES [dbo].[Topic] ([TopicId])

GO

ALTER TABLE [dbo].[Anime] WITH CHECK ADD FOREIGN KEY([CategoryId])

REFERENCES [dbo].[Category] ([CategoryId])

GO

# USER TO ACCESS DB VIA SERVER

create user webUser with password = 'Password@12345';

grant select,insert,update,delete on object::dbo.Category to webUser;

grant select,insert,update,delete on object::dbo.Anime to webUser;

grant select,insert,update,delete on object::dbo.AppUser to webUser;

grant select,insert,update,delete on object::dbo.Link to webUser;

grant select,insert,update,delete on object::dbo.Topic to webUser;