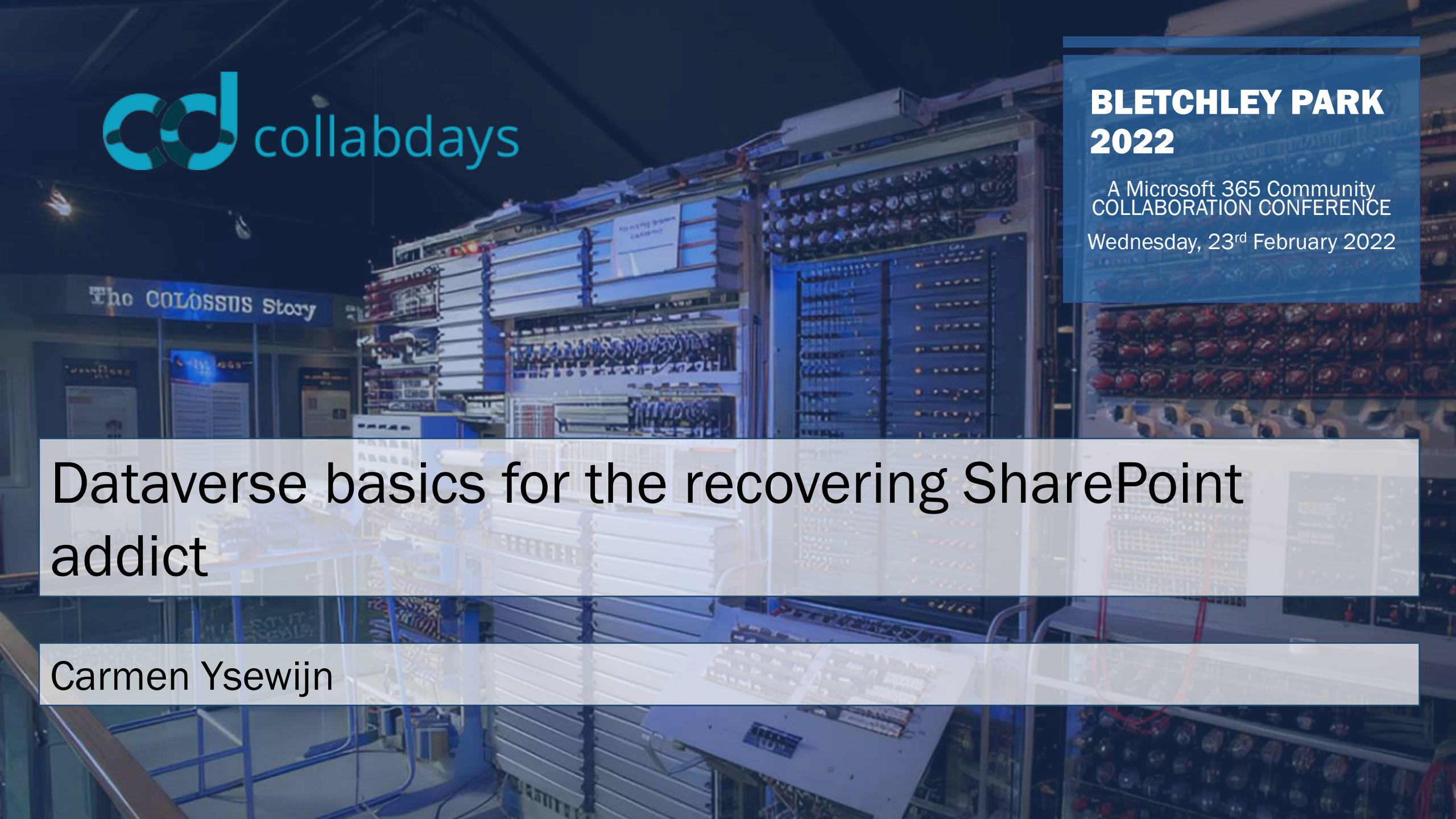

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BLETCHLEY PARK 2022

A Microsoft 365 Community COLLABORATION CONFERENCE

Wednesday, 23rd February 2022

Dataverse basics for the recovering SharePoint addict

Carmen Ysewijn

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Carmen Ysewijn

- ✓ Power Platform architect
- ✓ Business Applications MVP
- ✓ Qubix (Belgium)
- ✓ Serial Learner
- ✓ Dog mom

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Why companies go for SharePoint

SharePoint is so easy to set up

The business already uses SharePoint, so it’s familiar to them

It’s just a simple, small application… now

Dataverse is for Dynamics, it’s too complex

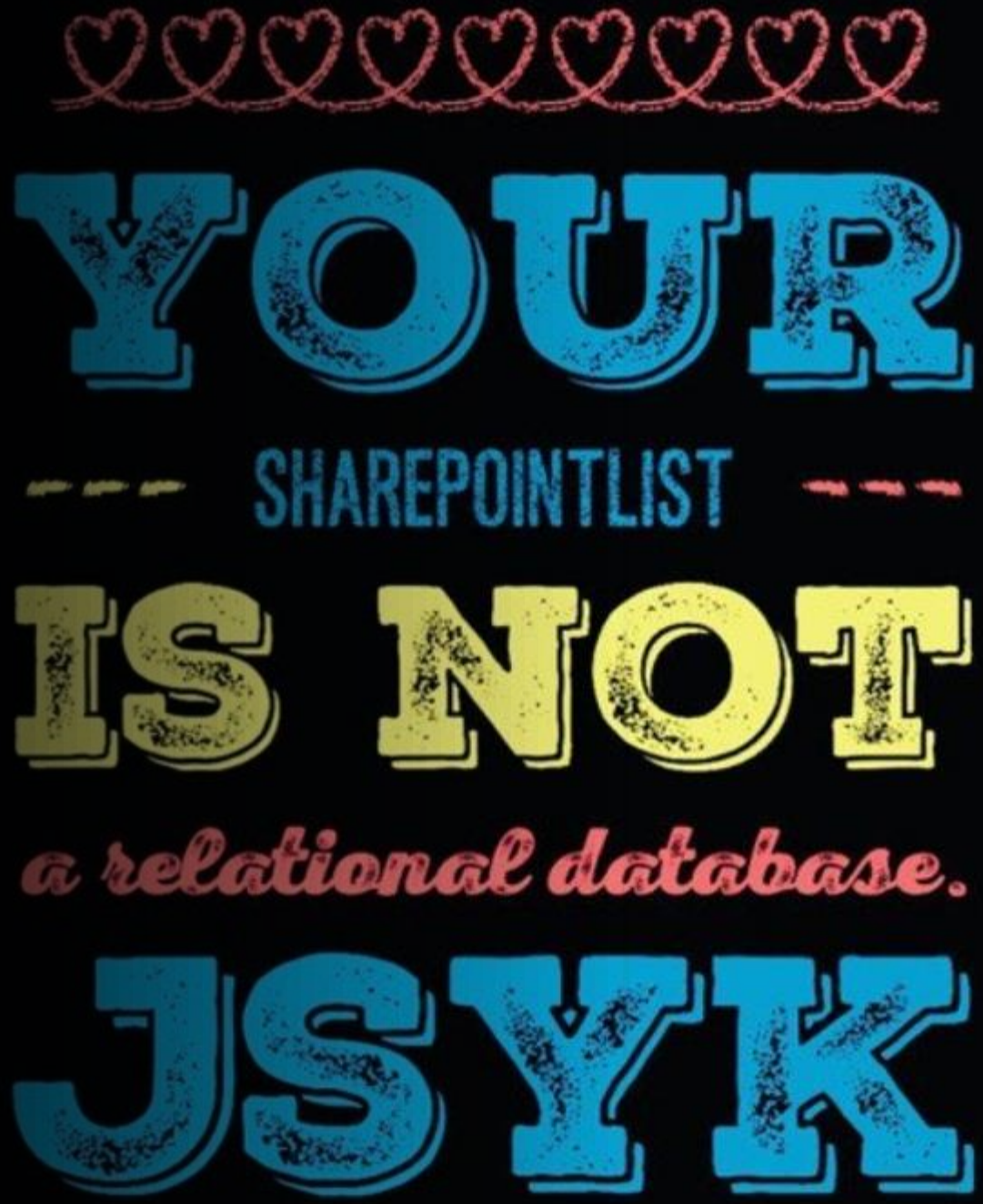
They don’t want to pay for the extra license that Dataverse requires

The flip-side

- Someone accidentally deleted, modified or renamed a column
- People are modifying data directly in SharePoint instead of through the app
- The application has grown and now performance is degraded
- You have spent a lot of time and money on fixing issues

Recognize these things?

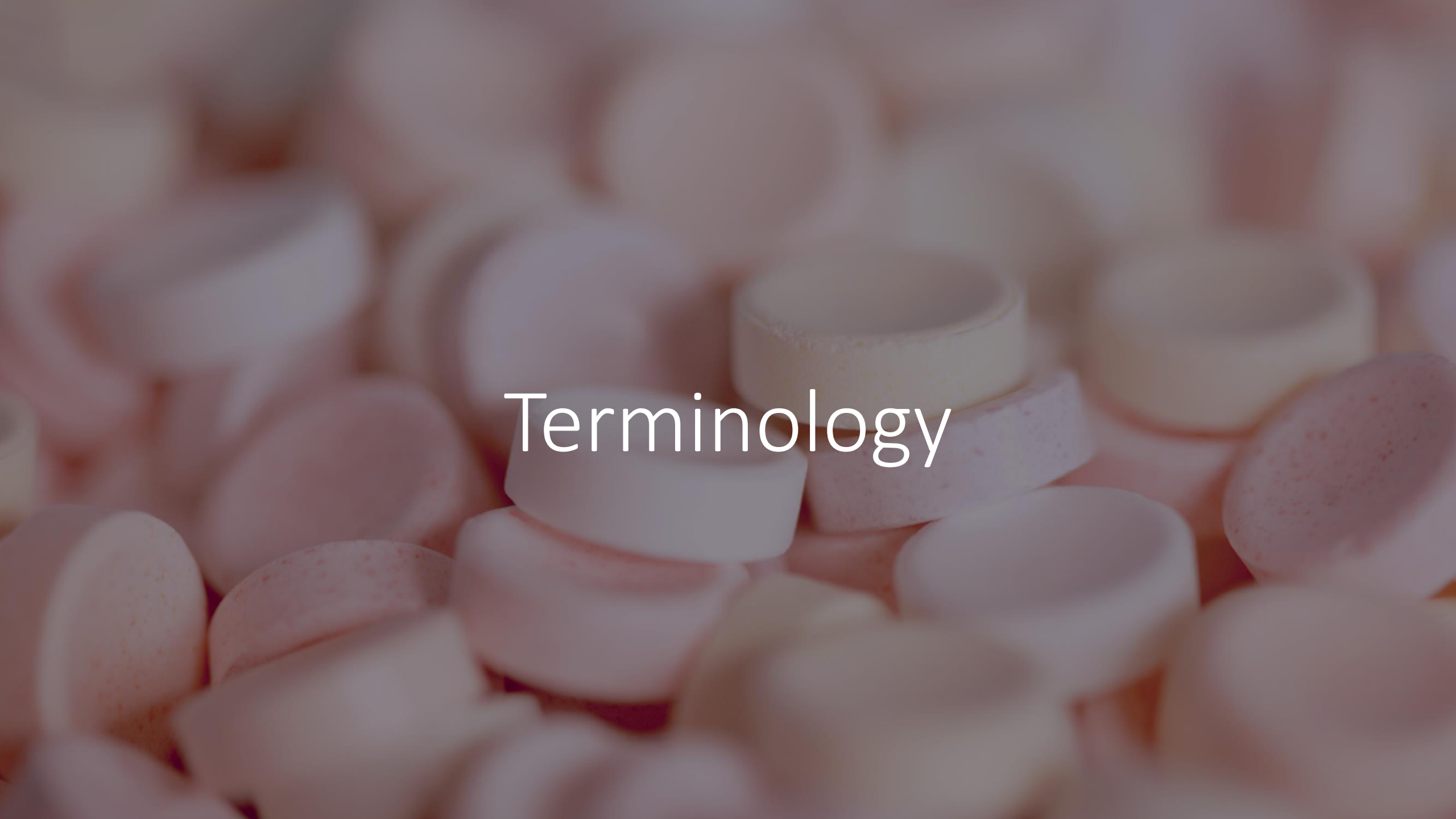
It’s time to discover Dataverse*!



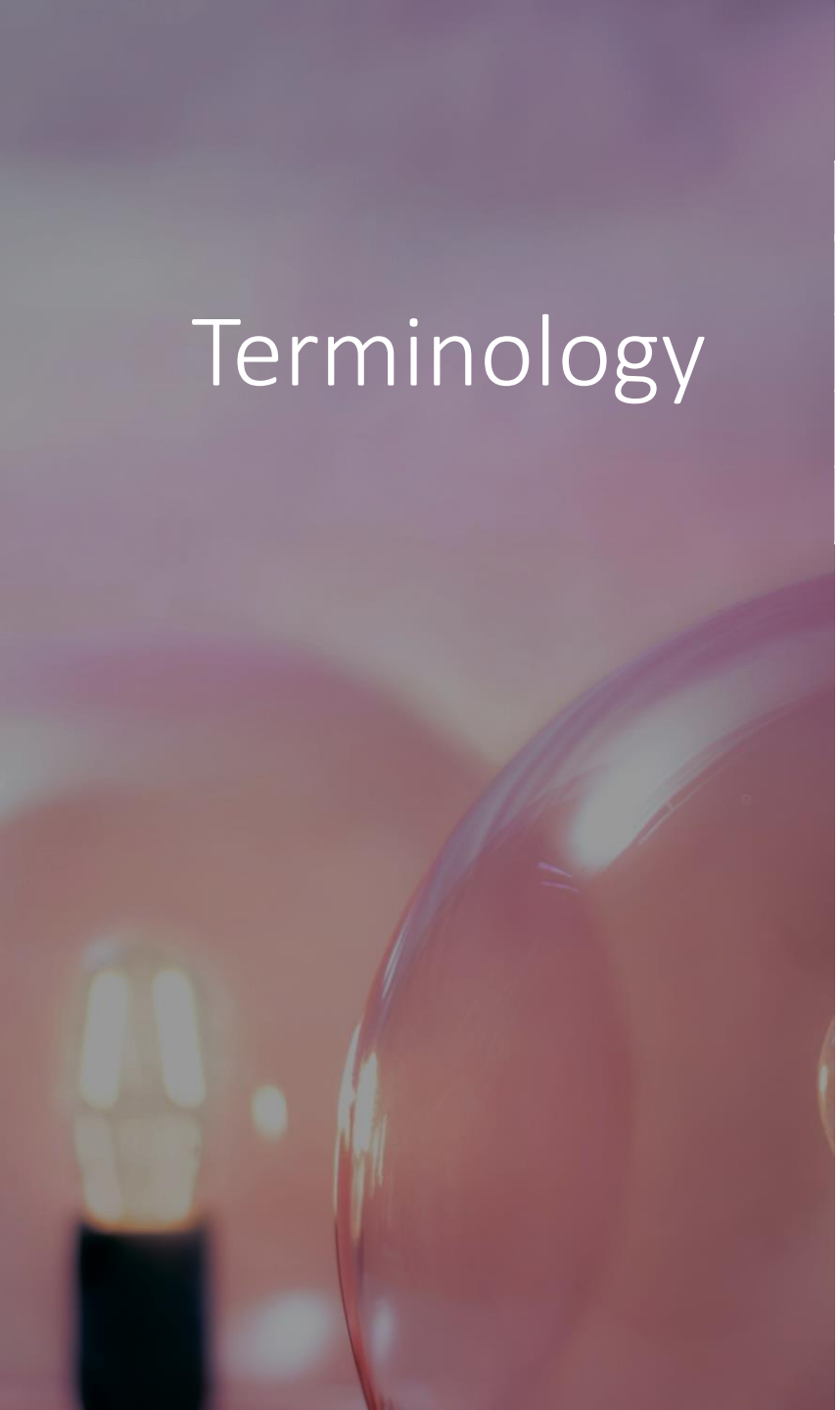
* Not Dataverse for Teams

Agenda

- Terminology
- Setup
- Relationships
- Security
- Performance
- Resources



Terminology



Terminology

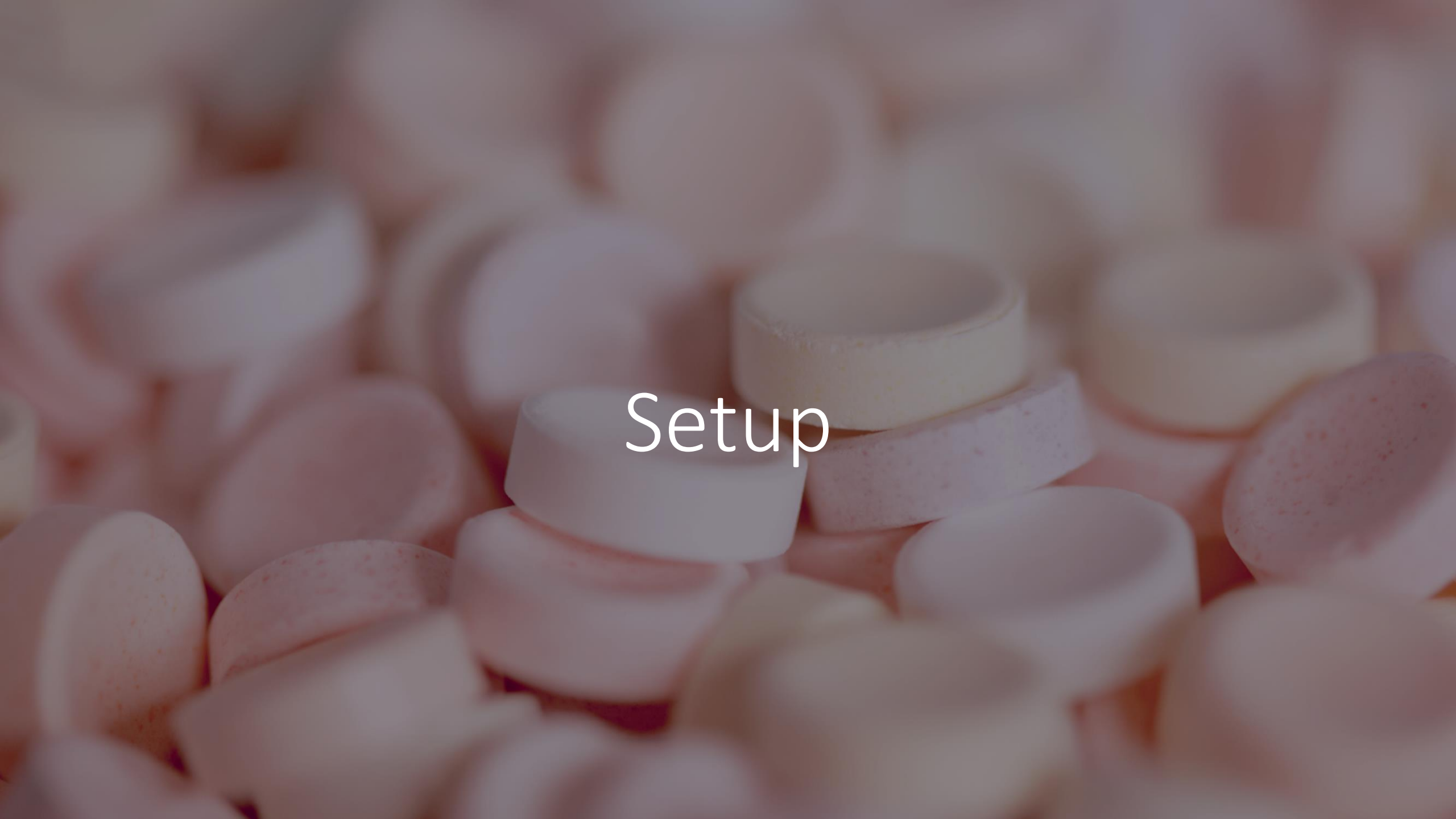
	Column 1	Column 2	Column 3	Column 4
Row 1	Value 11	Value 12	Value 13	Value 14
Row 2	Value 21	Value 22	Value 33	Value 44
Row 3	…	…	…	…
Row 4	…	…	…	…

SharePoint

- List
- Columns (metadata)
- Rows

Dataverse

- Table (entity)
- Columns (fields)
- Rows (records)



Setup

Create your data table

SharePoint

- Create a list
- Add columns

- Create rows using the OOTB form
- View data using the OOTB view
- Create additional views
- Modify the form

Dataverse

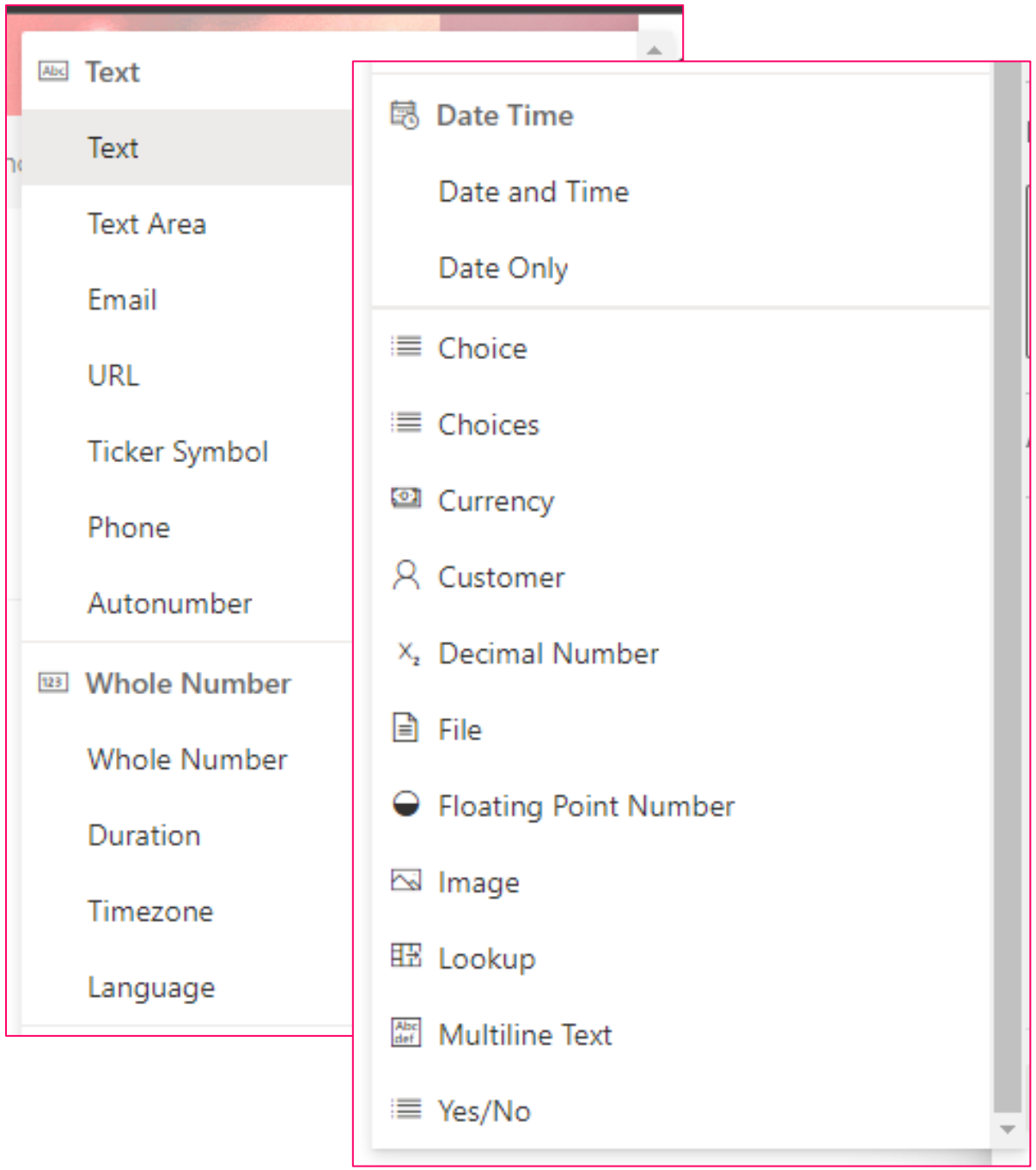
- Create a table
- Add columns
- Modify the main form
- Create rows using the main form
- View data using the OOTB views
- Create additional views
- Create additional forms
- Add the table to a model-driven app (optional)

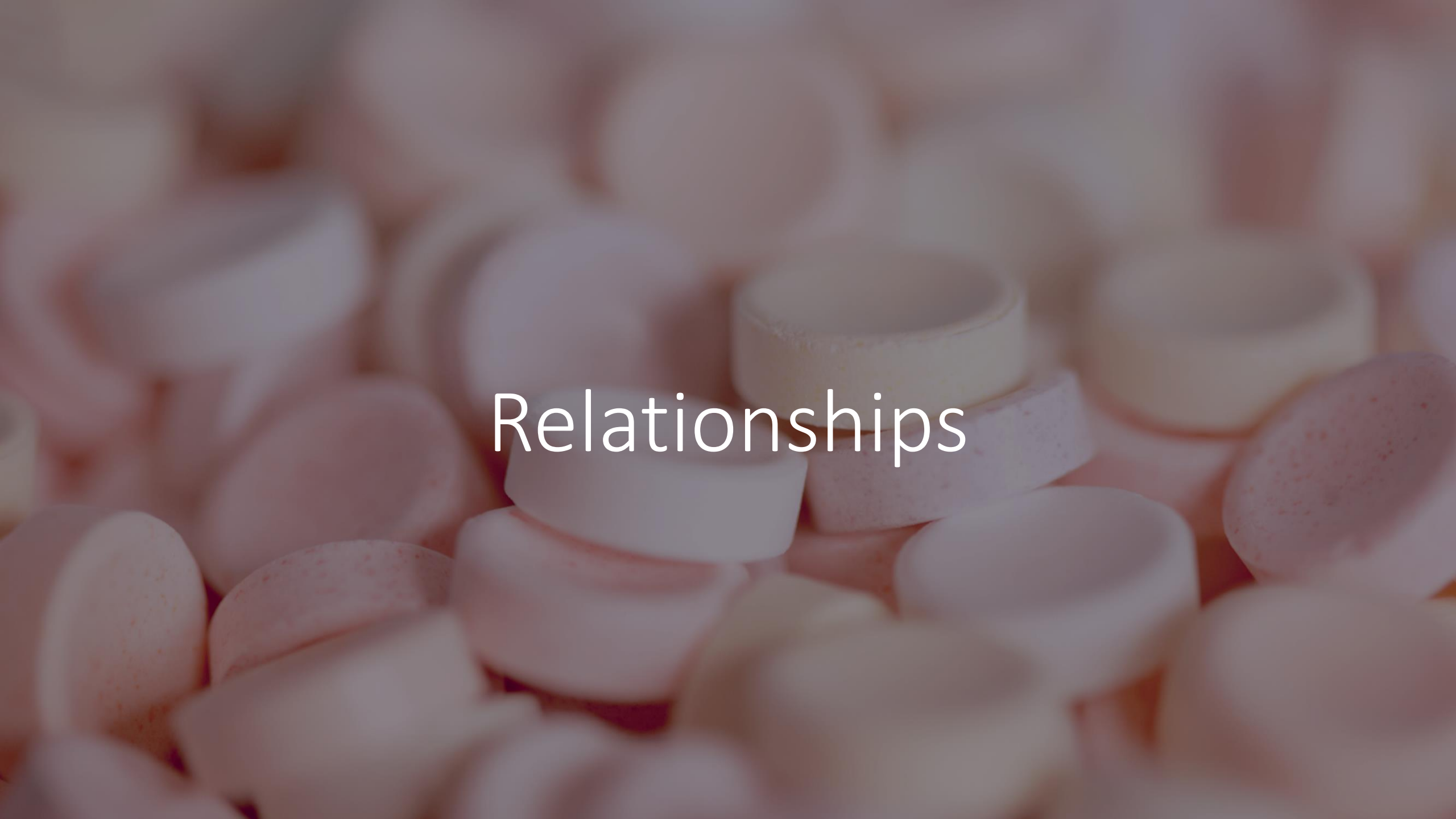
Data types

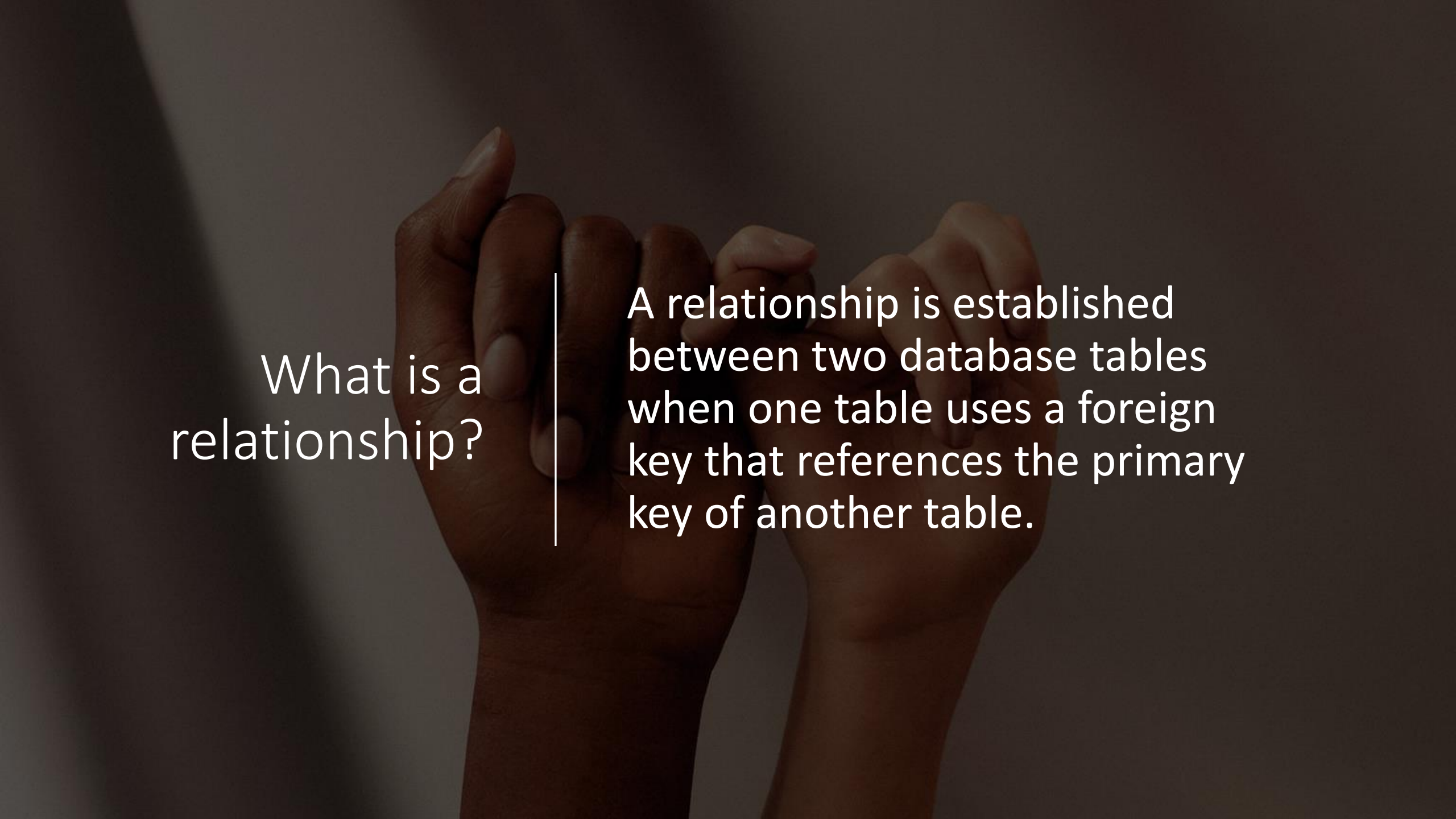
Column name:

The type of information in this column is:

- (•) Single line of text
- ( ) Multiple lines of text
- ( ) Choice (menu to choose from)
- ( ) Number (1, 1.0, 100)
- ( ) Currency ($, ¥, €)
- ( ) Date and Time
- ( ) Lookup (information already on this site)
- ( ) Yes/No (check box)
- ( ) Person or Group
- ( ) Hyperlink or Picture
- ( ) Calculated (calculation based on other columns)
- ( ) Image
- ( ) Task Outcome
- ( ) External Data
- ( ) Managed Metadata




Relationships

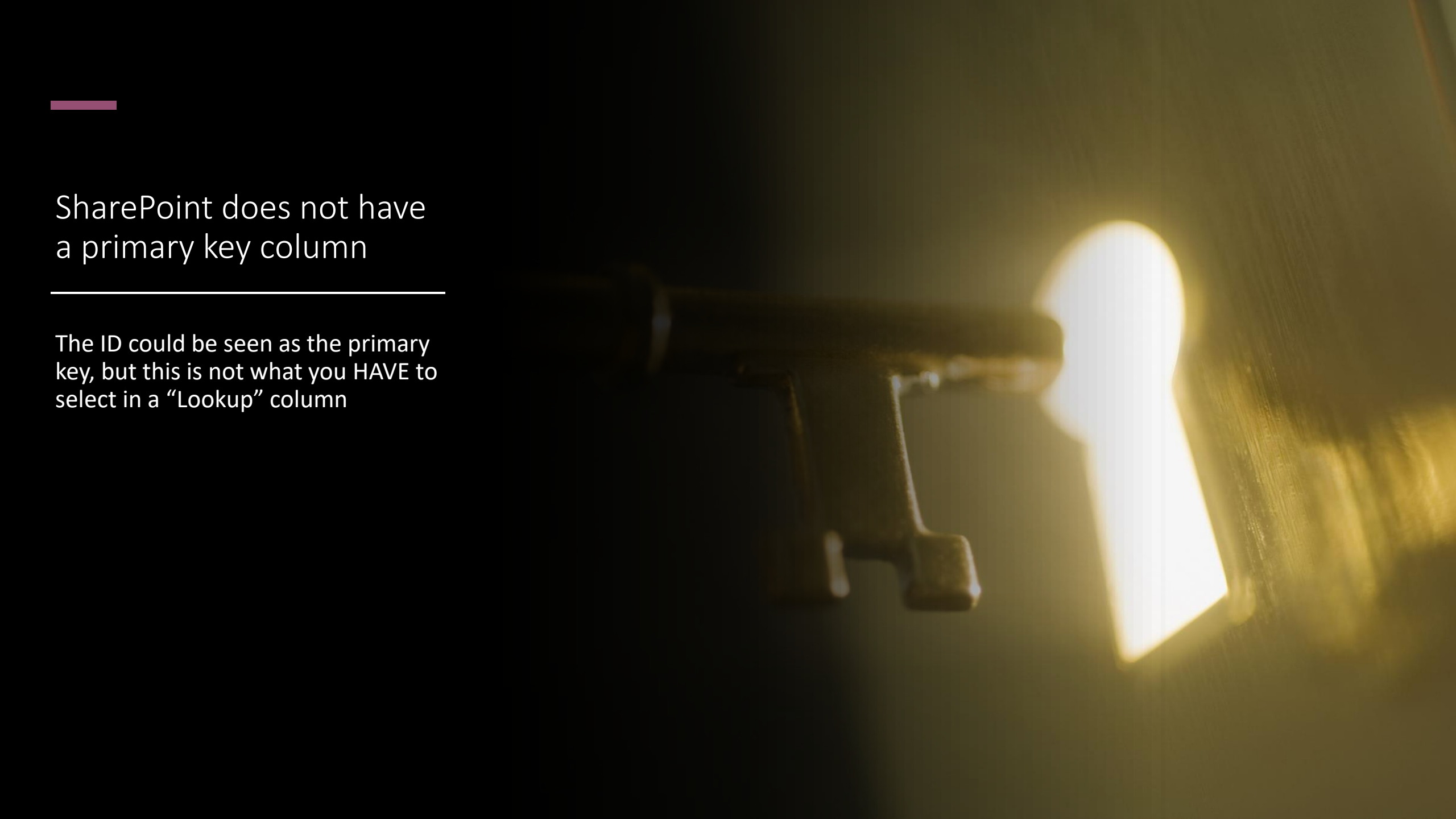


What is a relationship?

A relationship is established between two database tables when one table uses a foreign key that references the primary key of another table.

SharePoint does not have a primary key column

The ID could be seen as the primary key, but this is not what you HAVE to select in a “Lookup” column



There is no 2-way link between “related” items in SharePoint lists

A relationship established in Dataverse can be accessed from both sides

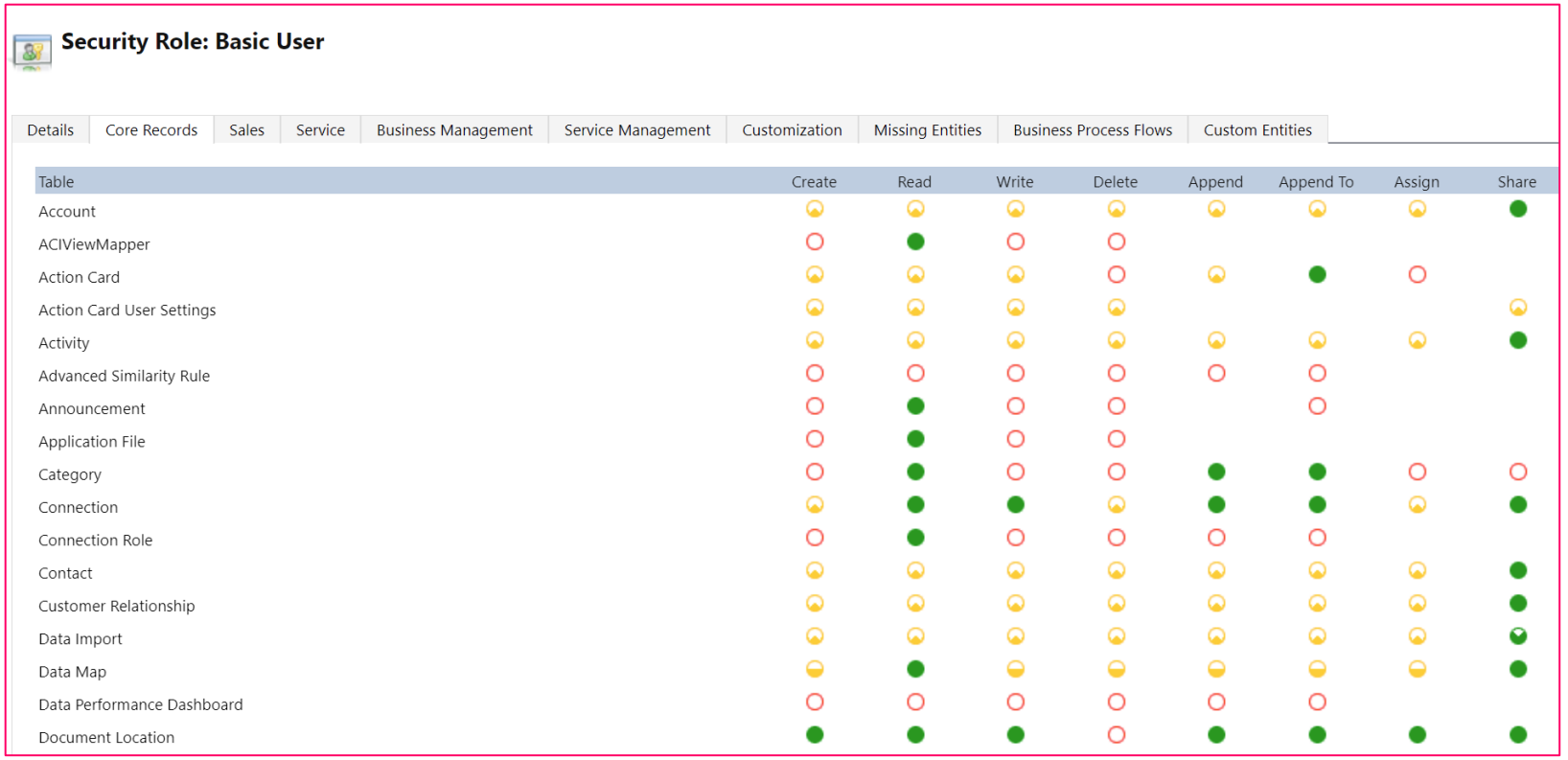
Security

Security

SharePoint	Dataverse
Everyone can access all items	Users can only access specific records
A user has the same access to all items	Users can have different access to different items
A user sees all columns of the list	Users can have access to only a few of the columns
Cannot really hide columns or make them read-only	Can hide columns or make them read-only
Cannot prevent people from bypassing the app	Can only make the data available through a specific app

Dataverse

- Use security roles to cover most business needs
- Use field security profiles for advanced scenario’s



Performance

Performance

SharePoint

- List view threshold (5000 items)
- Make sure to set indexes before reaching the list view threshold
- Limited support for “complex column types” (lookup, person or group)
- Limited delegation support
- Slower response times (Canvas Apps)

Dataverse

- Built for large amounts of data
- No limitations on database operations on a table basis
- No (real) limitations on number of complex columns
- Extensive delegation support
- Fastest response times (Canvas Apps)

Resources

How to get started?

- Get started using Microsoft Dataverse - Learn | Microsoft Docs
- What is Microsoft Dataverse? - Power Apps | Microsoft Docs
- Microsoft Dataverse Intro in 20 Minutes #Dataverse – YouTube (April Dunnam)
- Create a developer environment (if you don't have one yet) Power Apps Developer Plan | Microsoft Power Apps
- Start creating your first tables ☺

Questions?

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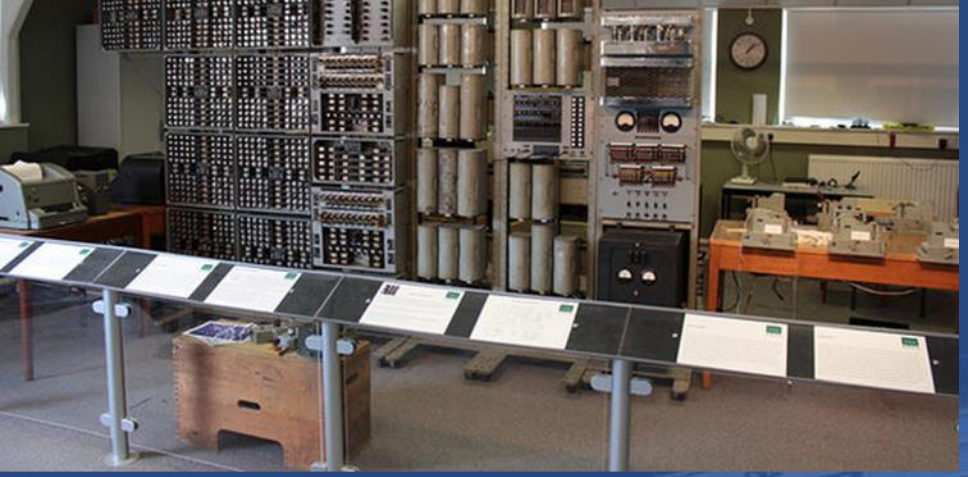

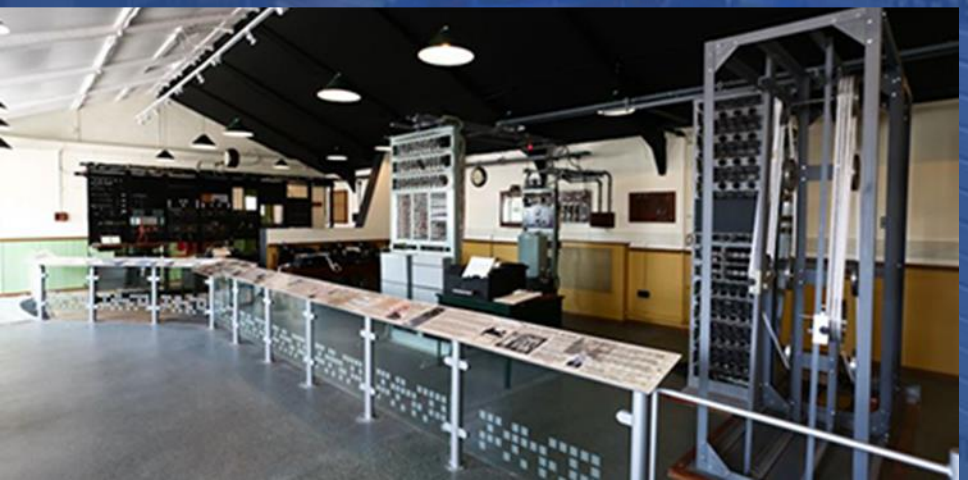

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Thank You!

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