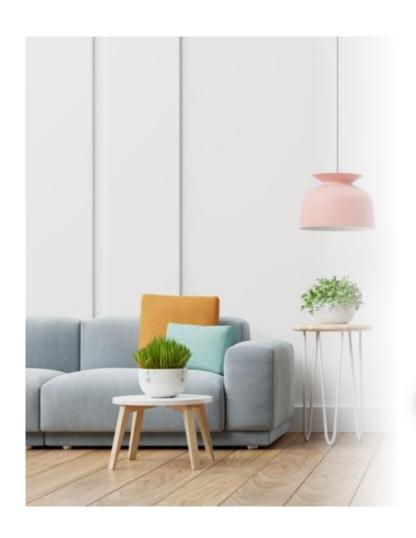




Product Data is a key component for selling products online





# Outline





Motivation



**Thesis Goal** 



Research Approach



**Technical Approach** 



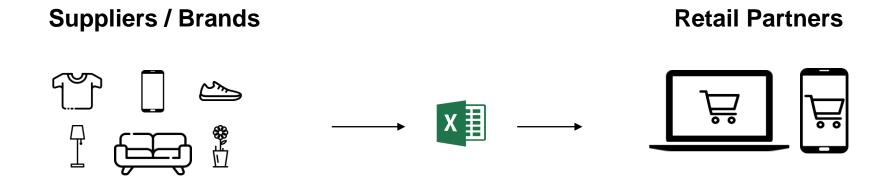
**Research Questions** 



**Timeline** 



Providing product data to online retailers requires a lot of manual work



### **Interviews with Suppliers / Brands**



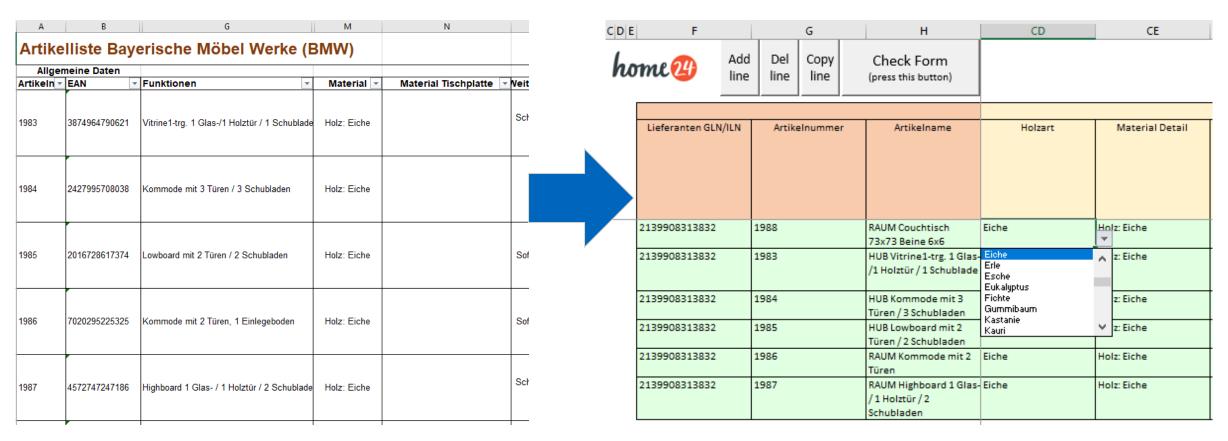
- > 10 interviews
- Semi-structured expert interview
- Key-Account Manager for online retailers



- Online Retailers require suppliers to fill Excel-Templates with product data
- Filling these templates requires a lot of manual work



## **Example of Excel-Template**



# **Suppliers / Brands**

**Retail Partners** 



There are different ways to denote the same information

Height adjustable: yes / no

Height adjustable: electric, manual

Functionality: Adjustable height

Minimum Seat
Height

≠
Maximum Seat
Height



Is the seating height of the chair adjustable?



## Thesis Goal



Evaluation of approaches to reduce the time needed for provision of product data

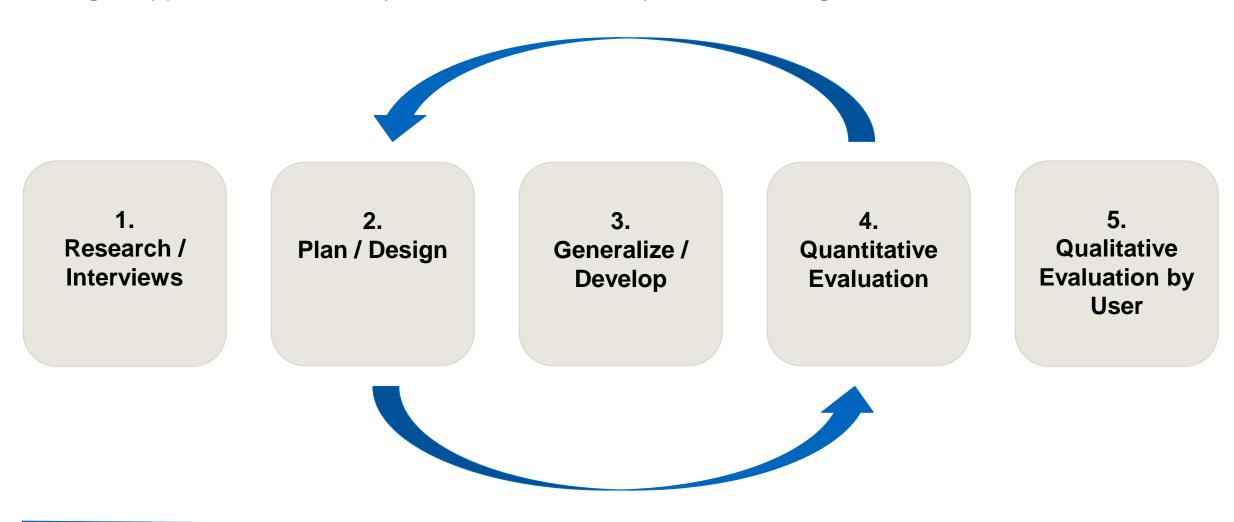


IT-Assisted Provision of Product Data to Online Retailers in the Home & Living Sector

# Research Approach



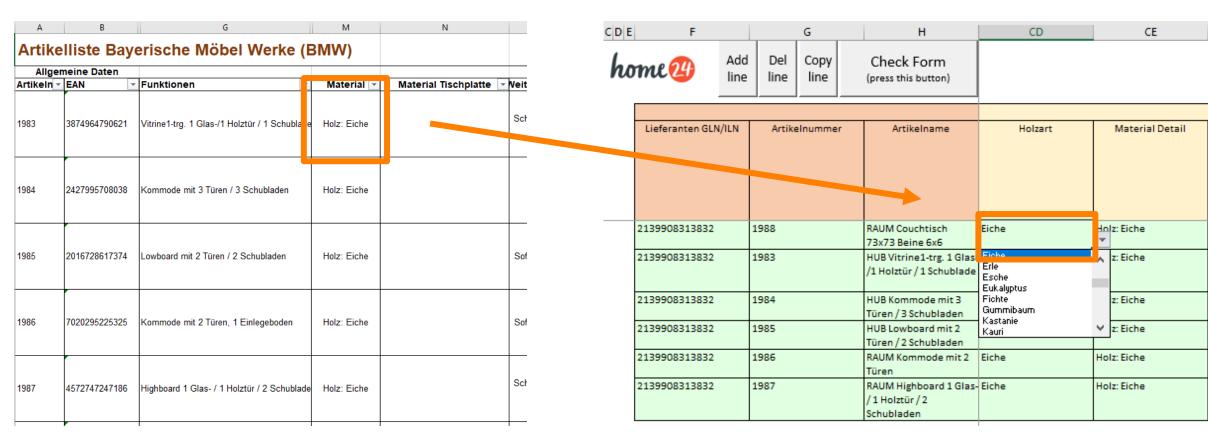
An agile approach allows for quick iteration and adaption to learnings



#### Time



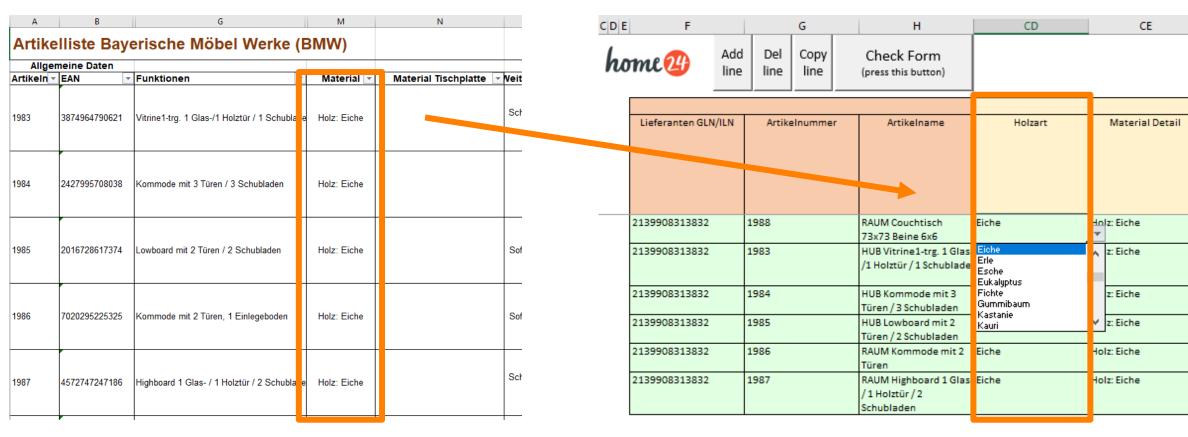
Current approach: Transformation Field-By-Field



**Suppliers / Brands** 

**Retail Partners** 

# Transformation Column-By-Column



**Suppliers / Brands** 

**Retail Partners** 



Evaluation of transformation Column-By-Column



#### Selected Results

> 17 Types of **Transformation** needed e.g., format conversions

Values needing transformations: ~ 35% - 62%

## A Column-By-Column approach requires understanding of complex transformations by end user

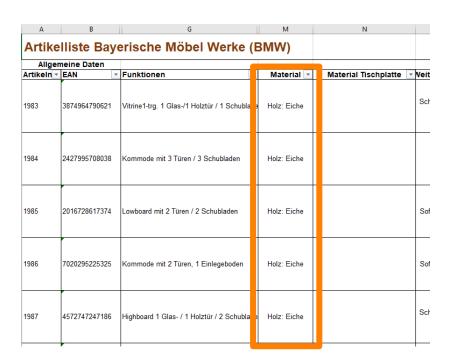
<sup>\*</sup> Sample Data based on availability; Retail Partners selected based on relevance for interview partners restricted to Pure Online Retail Partners

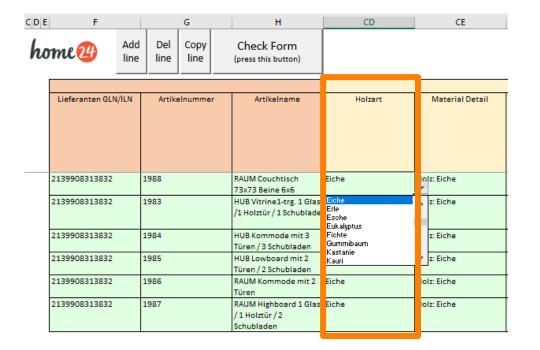
Transformation by General Format







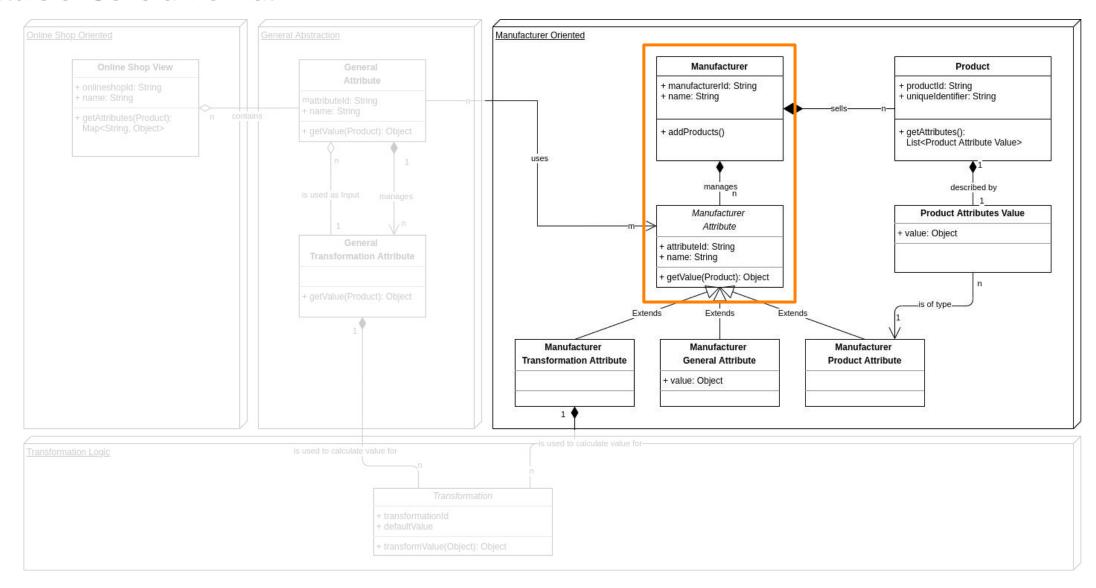




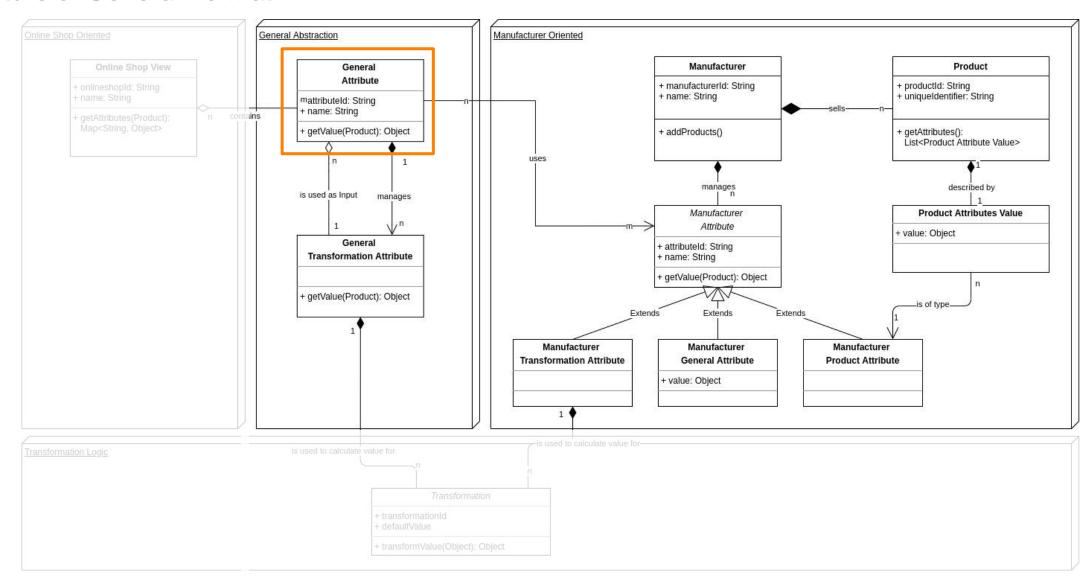
# **Suppliers / Brands**

#### **Retail Partners**

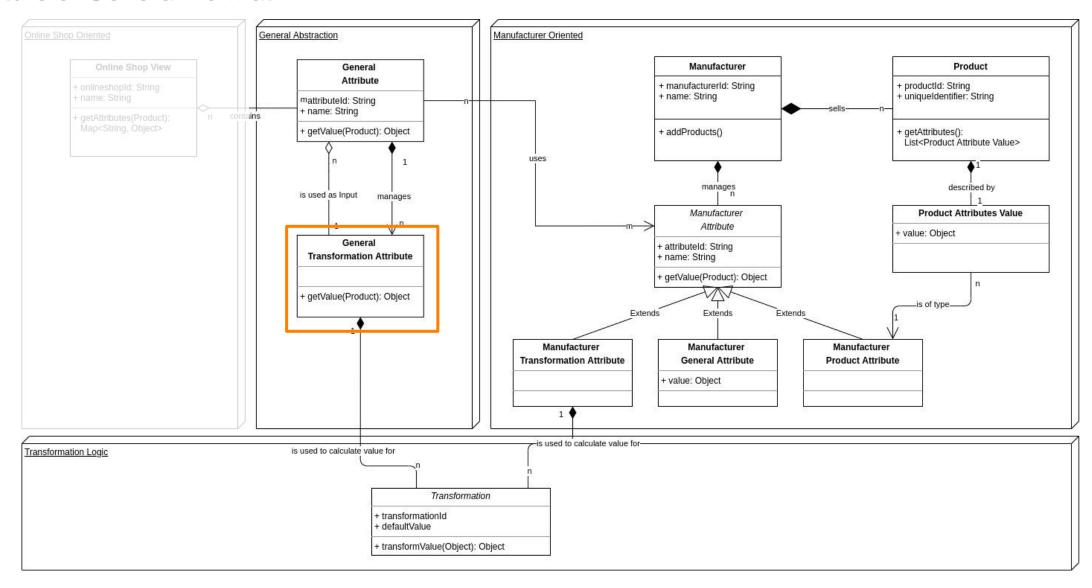
## Structure of General Format



### Structure of General Format

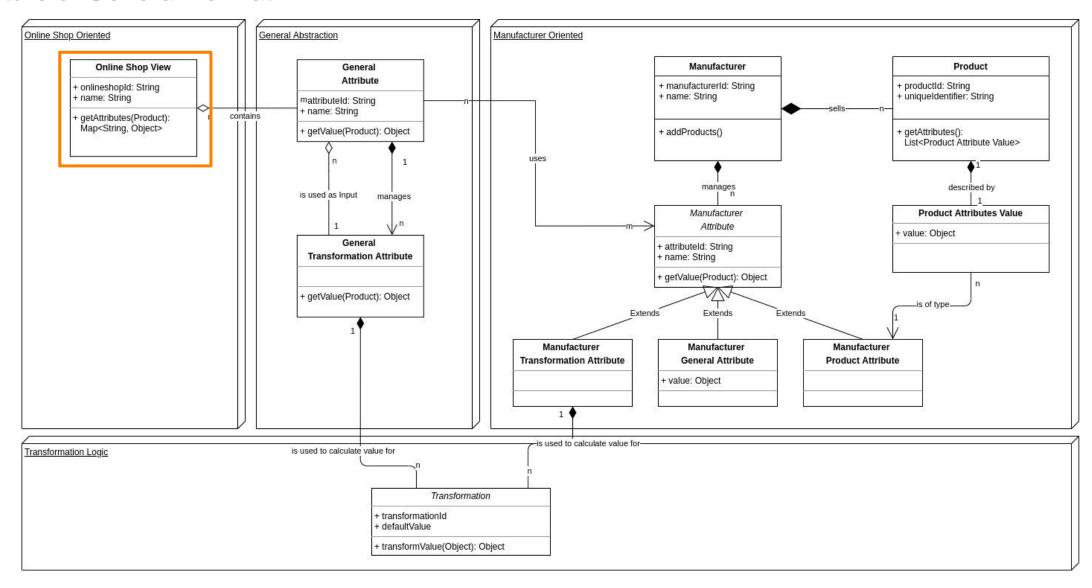


### Structure of General Format





### Structure of General Format



### Research Questions



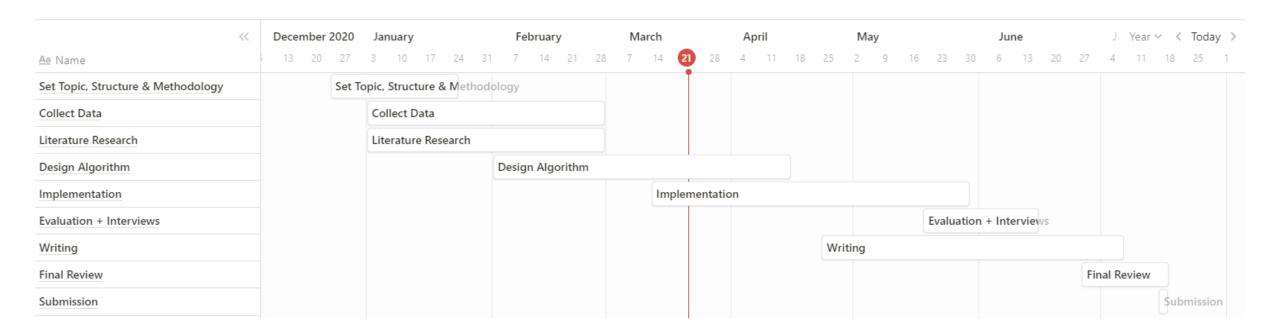
How do manufacturers in the Home & Living sector provide product data to online retailers?

What are IT-based approaches for assisting manufacturers with the provision of product data to online retailers?

What approaches for the assisted provision of product data provide the greatest benefit for the user?

# **Timeline**



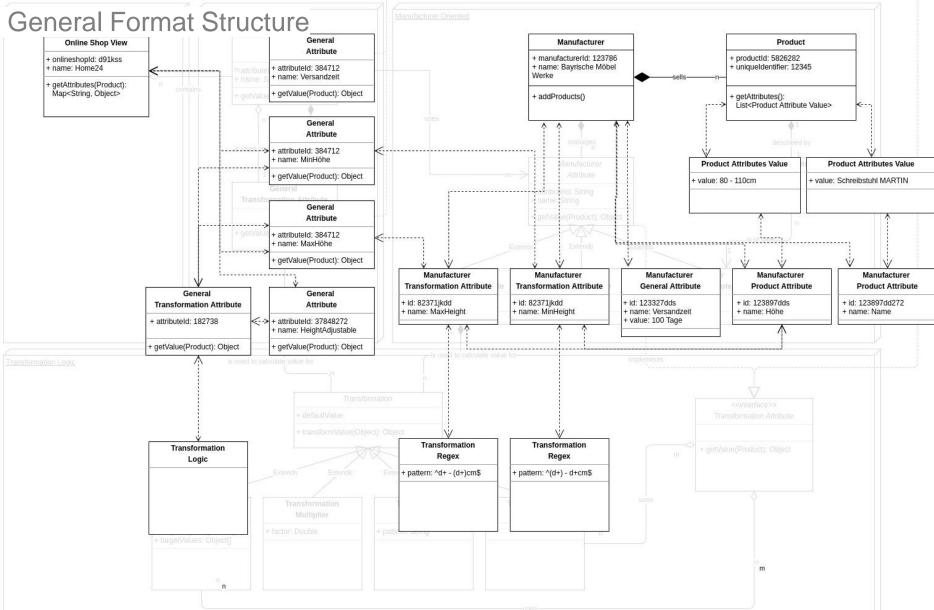








**Example of General Format Structure** 





### **Database Structure**

