



**Waste Not, Want
Not!**



TWO STAGE SOLUTION

01

B2C Bundle kits

Bundles are formed for foods soon
to be expired

02

B2B Upcycling Dashboard

Companies can order food which is
soon to be expired



01

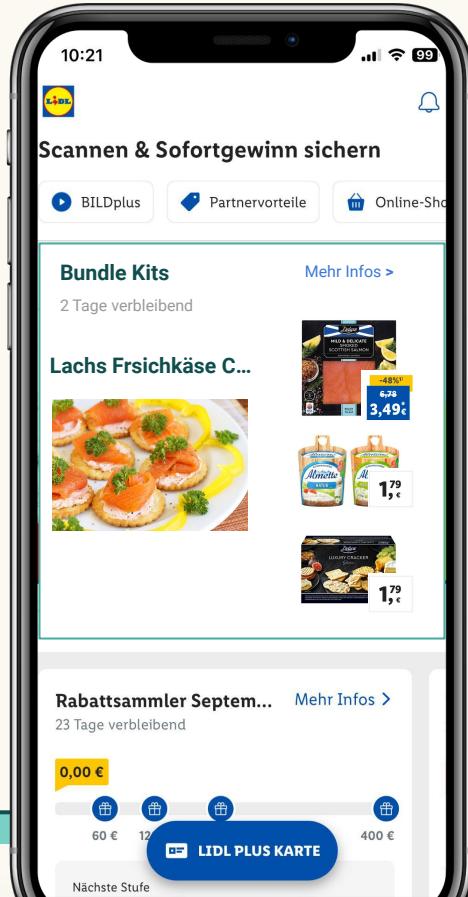
B2C Bundle kits

Integrated in the existing apps

Cross sales



Building on
existing
customer base



Not another
app you will
forget about



Bundles lead to
a reproducible
snack



Example Bundle Kits

Salmon Cream Cheese Cracker



Spinach and Banana Power Smoothie



02
B2B

Upcycling Dashboard

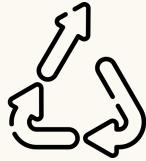
Reduce waste through

partnerships with companies
which upcycle the food



B2B Upcycling Dashboard

Demo



Upcycling –
reduce waste

Deal of the day

Carrot
€ 0.8/KG

Peach
€ 0.5/KG

GRAPES
€ 0.9/KG

STRAWBERRY
€ 0.9/KG

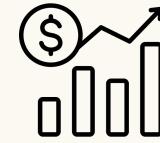
Items of your interest

Apples
200 KG

Beans
200 KG

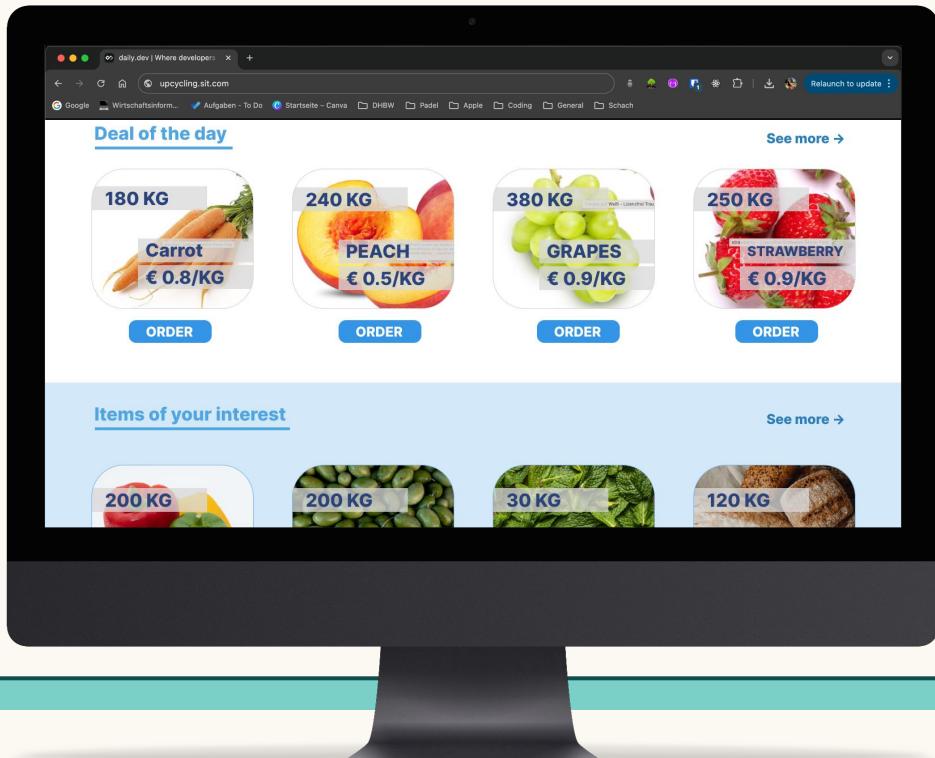
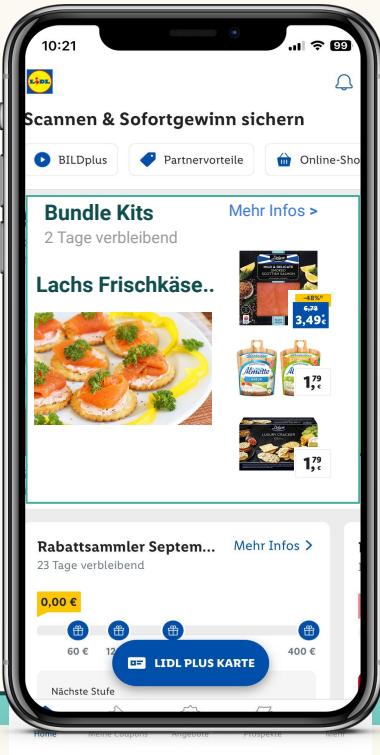
Spinach
30 KG

Bread
120 KG

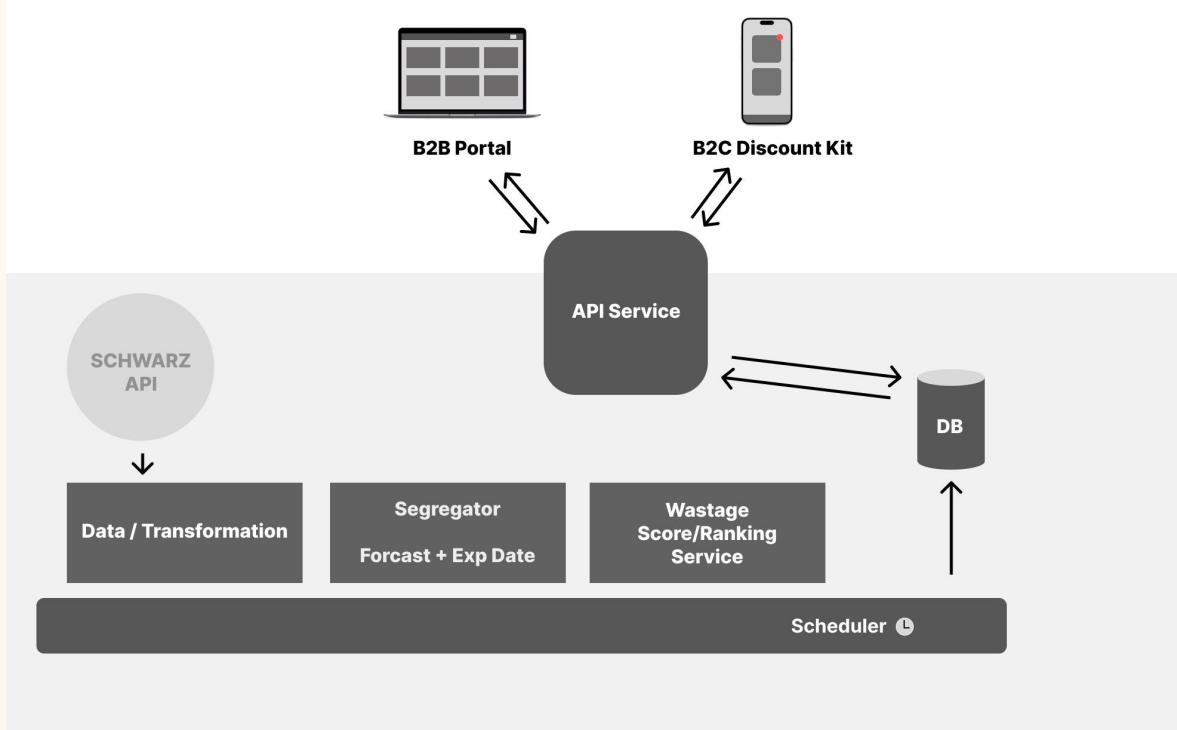


Sales instead of
Trash

Our approach to implement these two products from a technical perspective



System design



Data Transformation

Raw data

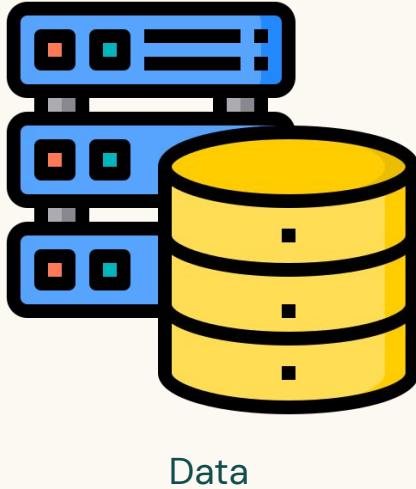
```
{  
  "id": "8376291",  
  "name": "Organic Cherry Tomatoes",  
  "expiresAt": "2024-09-23",  
  "price": 2.99,  
  "weight": "250g",  
  "packagingUnit": "punnet",  
  "available": 48  
},
```

Add features

```
{  
  "id": "8376291",  
  "name": "Organic Cherry Tomatoes",  
  "expiresAt": "2024-09-23",  
  "price": 2.99,  
  "weight": "250g",  
  "packagingUnit": "punnet",  
  "available": 48  
  "emissionFactor": "2.8 kg CO2e per kg"  
  "foodType": "fruit"  
},
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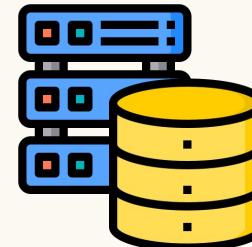


Filter data



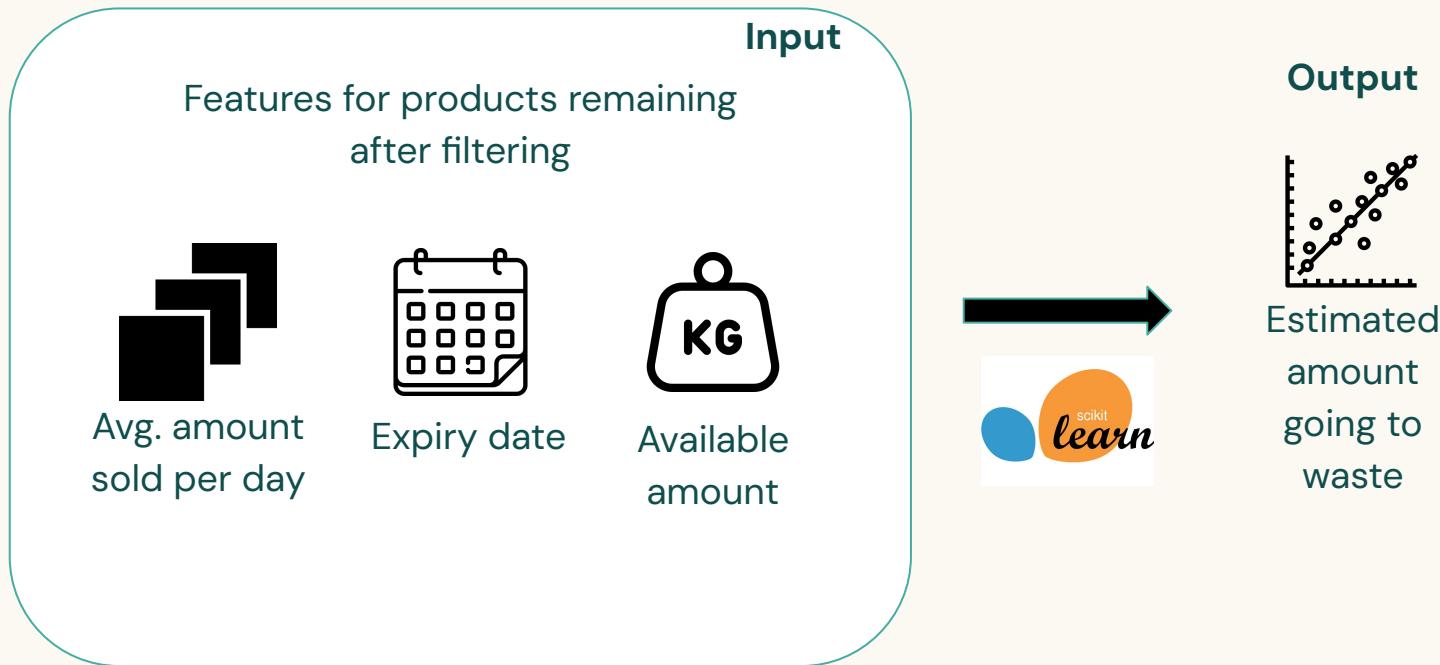
Only keep
products
where:

Days till expiry <= 5

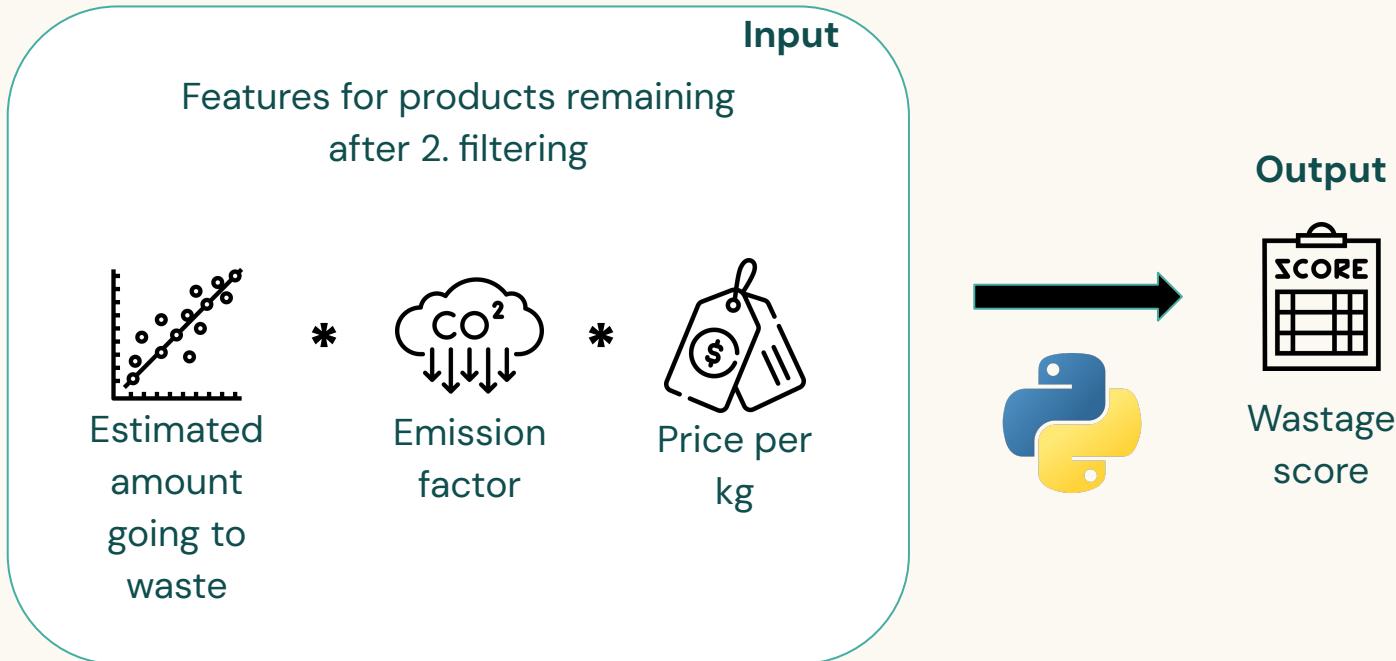


Smaller Dataset
for cost-efficiency

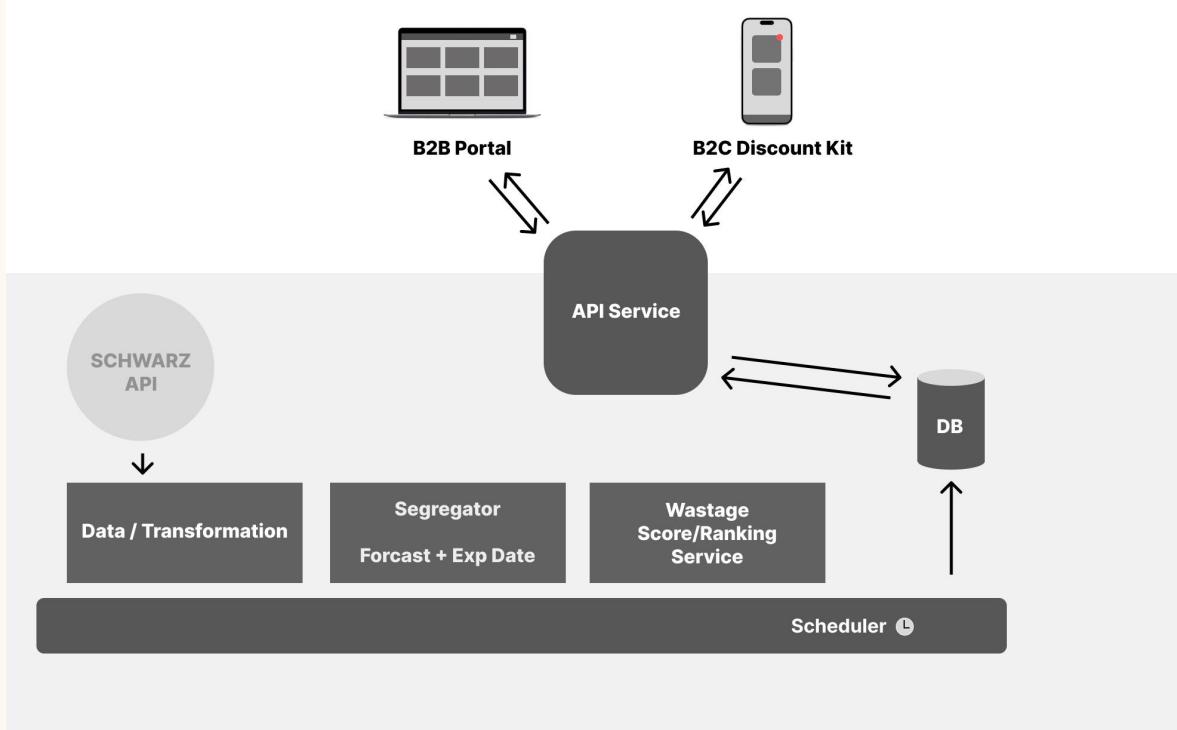
Forecast ML Model



Wastage Score



System design





Thanks for your attention, yours RheinHackers



German



german1212



Shashank



shashankduhan



Siddhant



Preeti

