

Presentation by Maryia
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SmartCart

Final project written in C++

Optimize your shopping and it also
saves your money!



WHAT CAN WE Do?

Program, który pokazuje zakup towarów w sklepie. Podczas pisania programu wykorzystane podstawowe zasady OOP: dziedziczenie, polimorfizm, templates, abstrakcja i enkapsulacja.

- ✓ Calculation of the total cost
- ✓ Add products you need
- ✓ Payment in two ways
- ✓ Weighing products
- ✓ Checking the discount
- ✓ Notification of budget overrun

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WHAT IS OUR FOOD SOURCE?

OUR PRODUCT



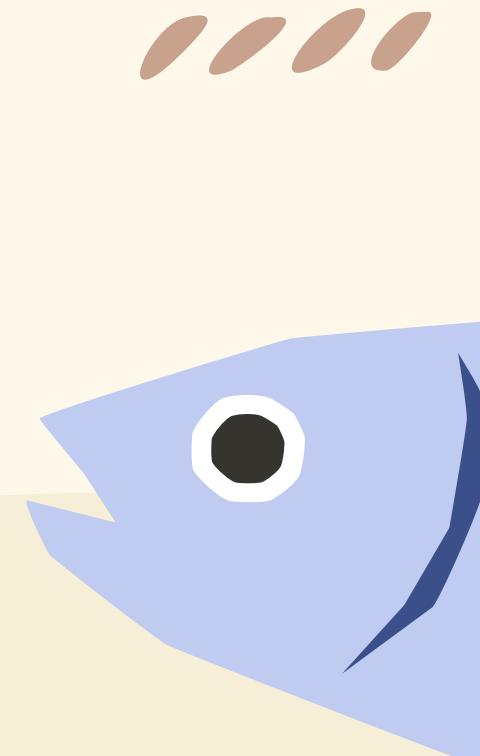
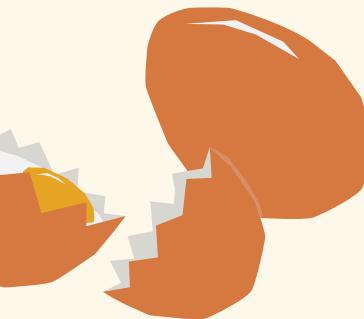
PLANTS

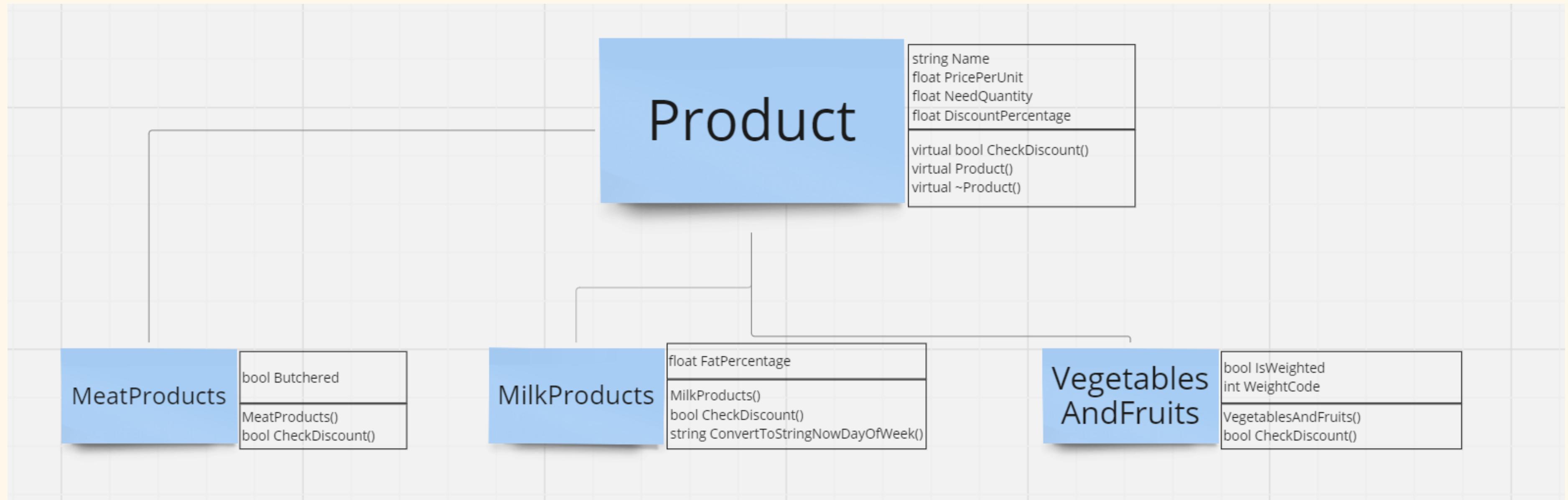
Vegetables and fruits



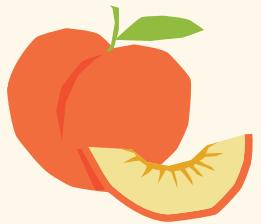
ANIMALS

Meat, milk, cottage cheese





OVERVIEW OF THE PROJECT ARCHITECTURE



Customer

```

string Name
float MoneyBalance
float BonusBalance

Customer()
void AddToList(vector<string>&, Product*)
void WeighProduct(VegetablesAndFruits*)
void AddToCart(vector<Product*>&, Product*)
void PutOutOfCart(vector<Product*>&)
float CalcSumOfProducts(vector<Product*>&)
void Pay(vector<Product*>&)

```

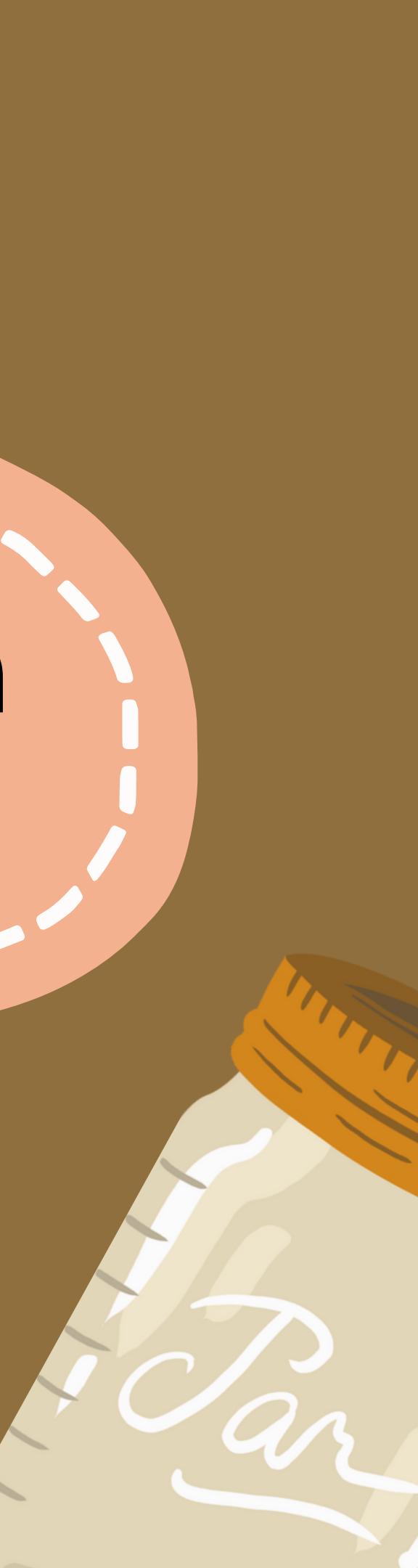


Development Prospects

✓ **Wdrożenie uczenia maszynowego do przewidywania zakupów.**

✓ **Integracja ze sklepami internetowymi i systemami bankowymi.**

✓ **Plany rozszerzenia funkcjonalności i wsparcia platformy.**



Question Time

Q

A