

3 Avril 2025

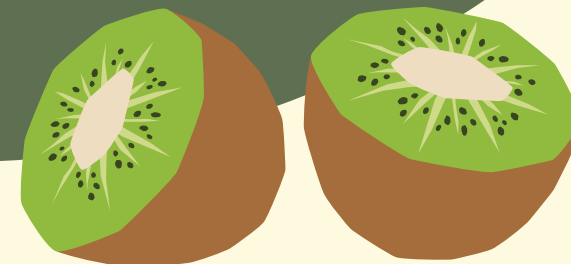


# KIWI CARD

*Projet IsaDevops*

Roxane BACON  
Clément LEFEVRE  
Baptiste LACROIX  
Antoine MAÏSTRE - RICE  
Antoine FADDA RODRIGUEZ

*Présenté par le groupe J*



The image is an abstract graphic design on a light cream background. It features a large, dark olive-green circle in the center, which serves as a backdrop for the word "DEMONSTRATION". To the left of the central circle is a smaller, solid olive-green circle. To the right is a medium-sized olive-green circle. Above the central circle, there is a solid brown circle and a light beige circle with a white center. Below the central circle, there is a small dark olive-green circle. In the bottom left corner, there is a light beige curved shape. The design is decorated with two rectangular grids of small dark dots, one on the left and one on the right. In the bottom right corner, there are three dark olive-green chevrons pointing downwards.

**DEMONSTRATION**

# Couverture fonctionnelle



## Step 1 Happy Kids

- Gestion d'un service externe qui renvoie le prix réduit
- Choix d'heure de garde pleine
- Réduction en % des heures achetées



## Statistiques

- Visualisation de la comparasion d'achats sur 2 jours (pour un partenaire)
- Visualisation du nombre d'utilisation de différents perks (pour un partenaire)



## Gestion des réductions

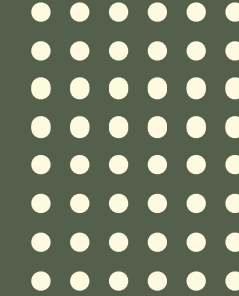
3 réductions implémentées :

- HappyKids (si VFP)
- N achetés M offerts
- % de réductions après une heure précise

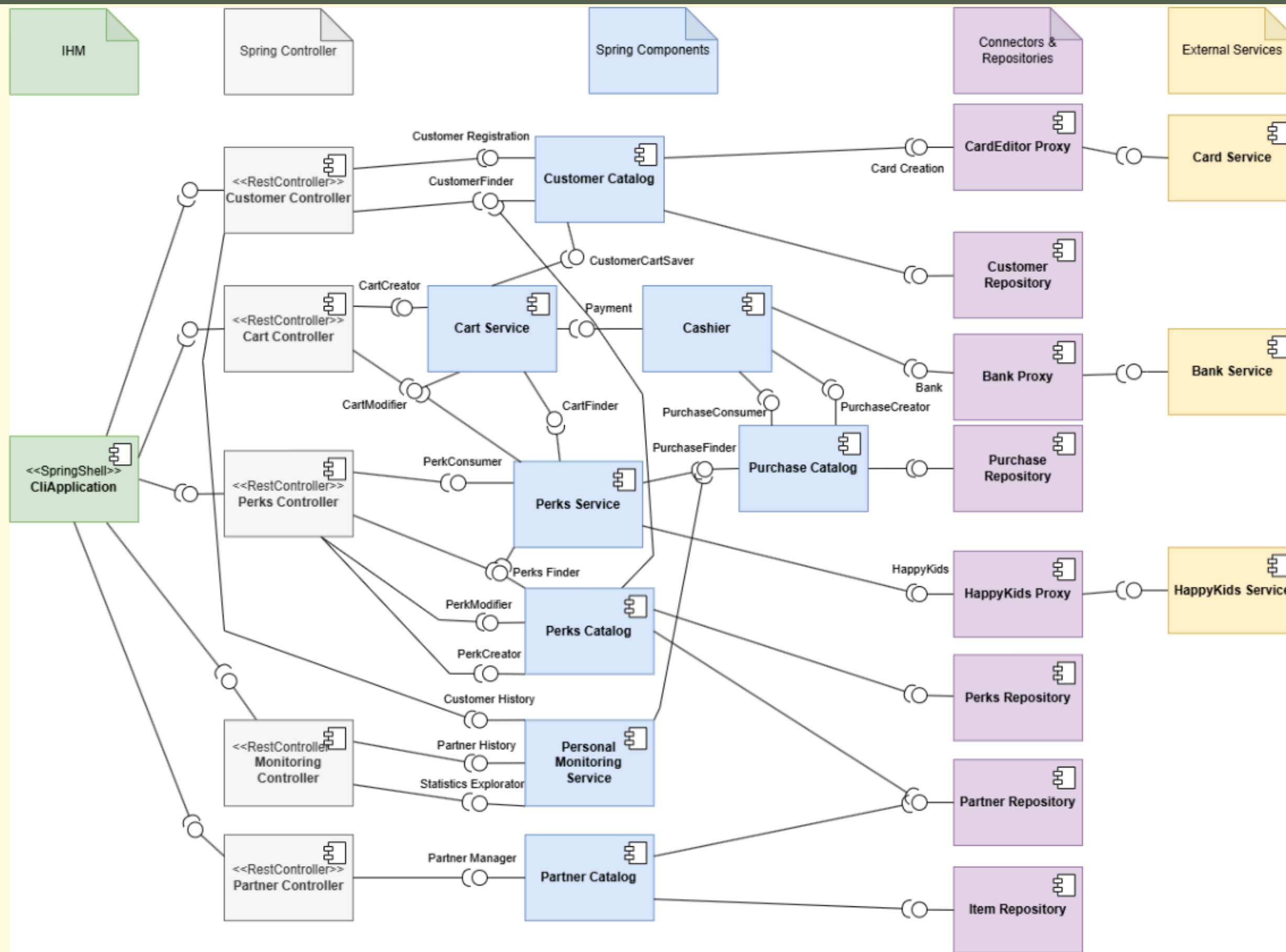




# EVOLUTION DE L'ARCHITECTURE



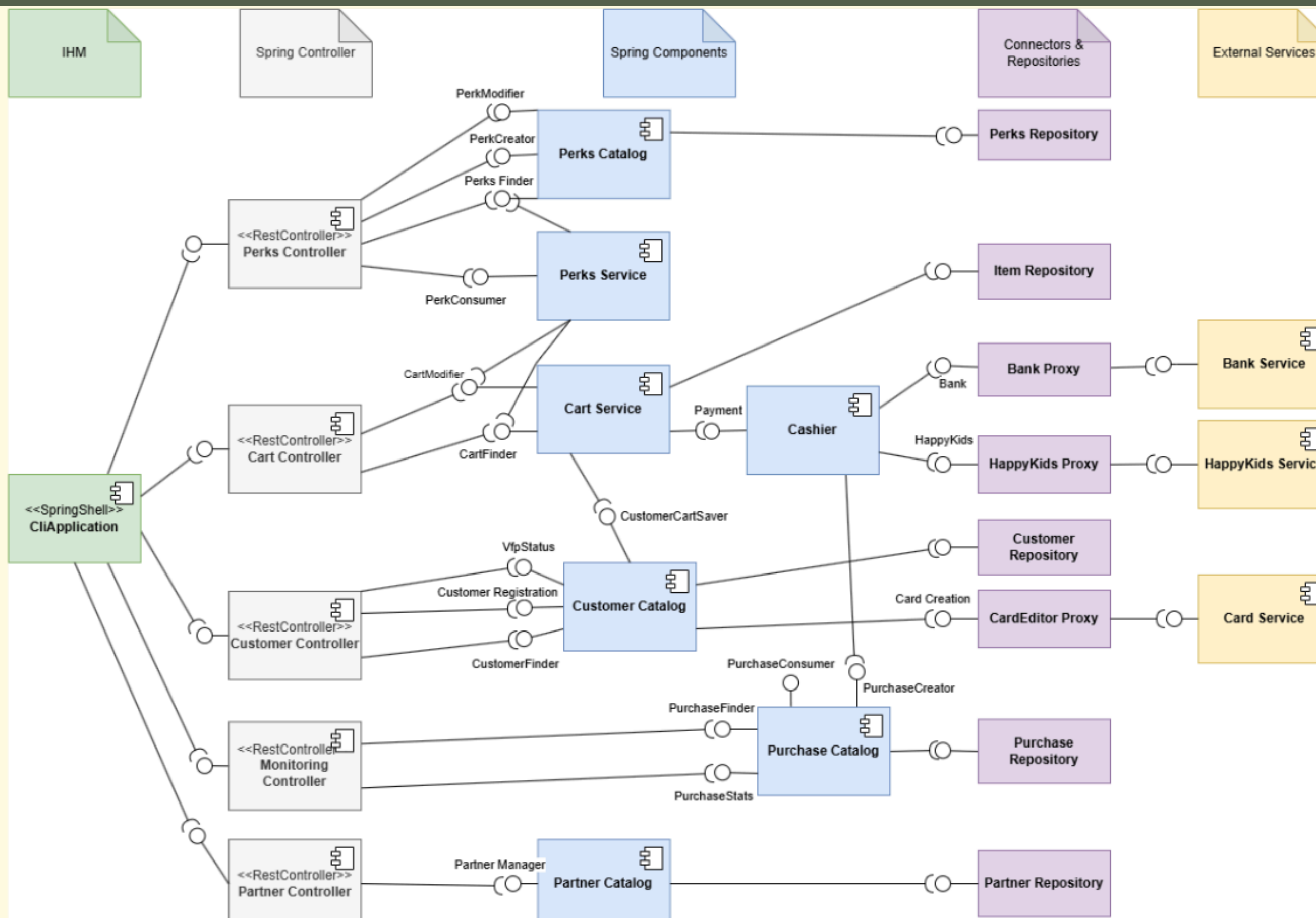
AVANT





# EVOLUTION DE L'ARCHITECTURE

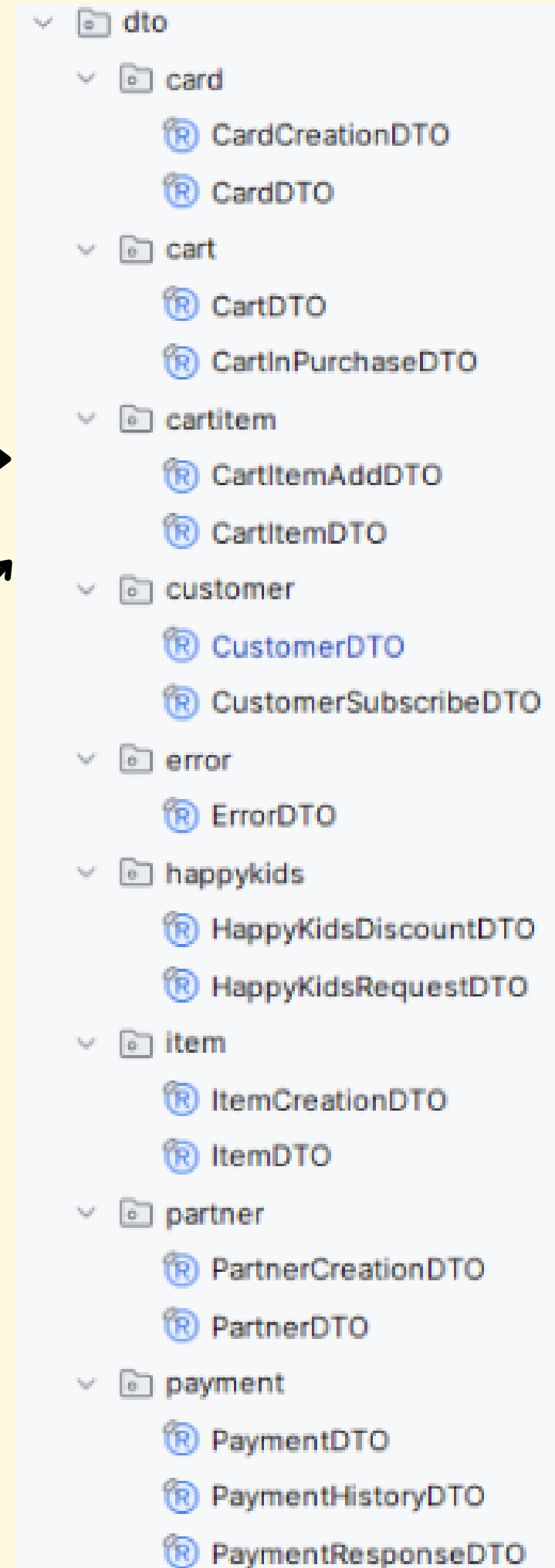
APRÈS



## DTO Management

```
public record CartItemDTO(
    int quantity,
    LocalDateTime startTime,
    ItemDTO item
) {
    public CartItemDTO(CartItem entity) {
        this(
            entity.getQuantity(),
            entity.getStartTime(),
            new ItemDTO(entity.getItem())
        );
    }
}
```

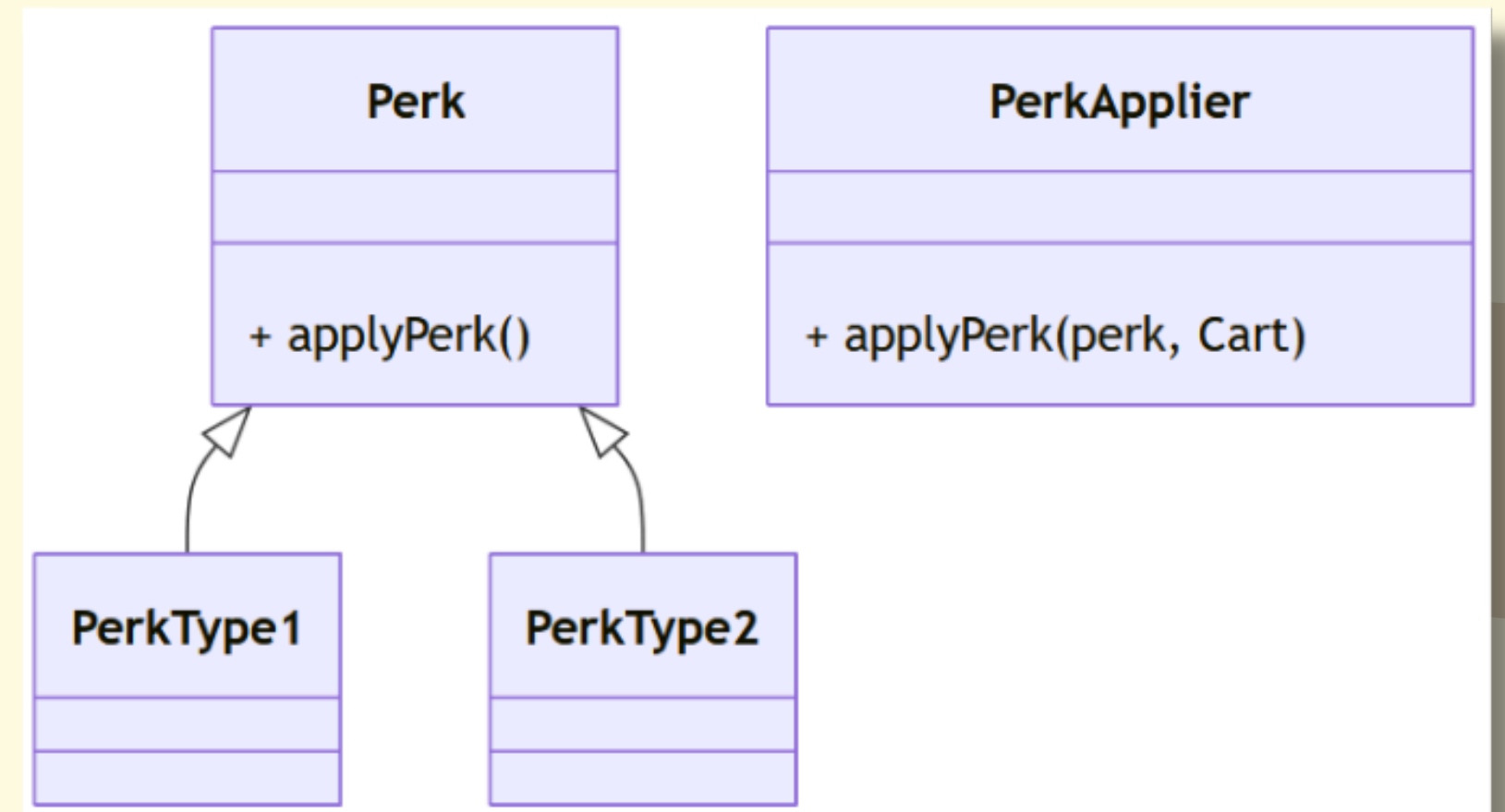
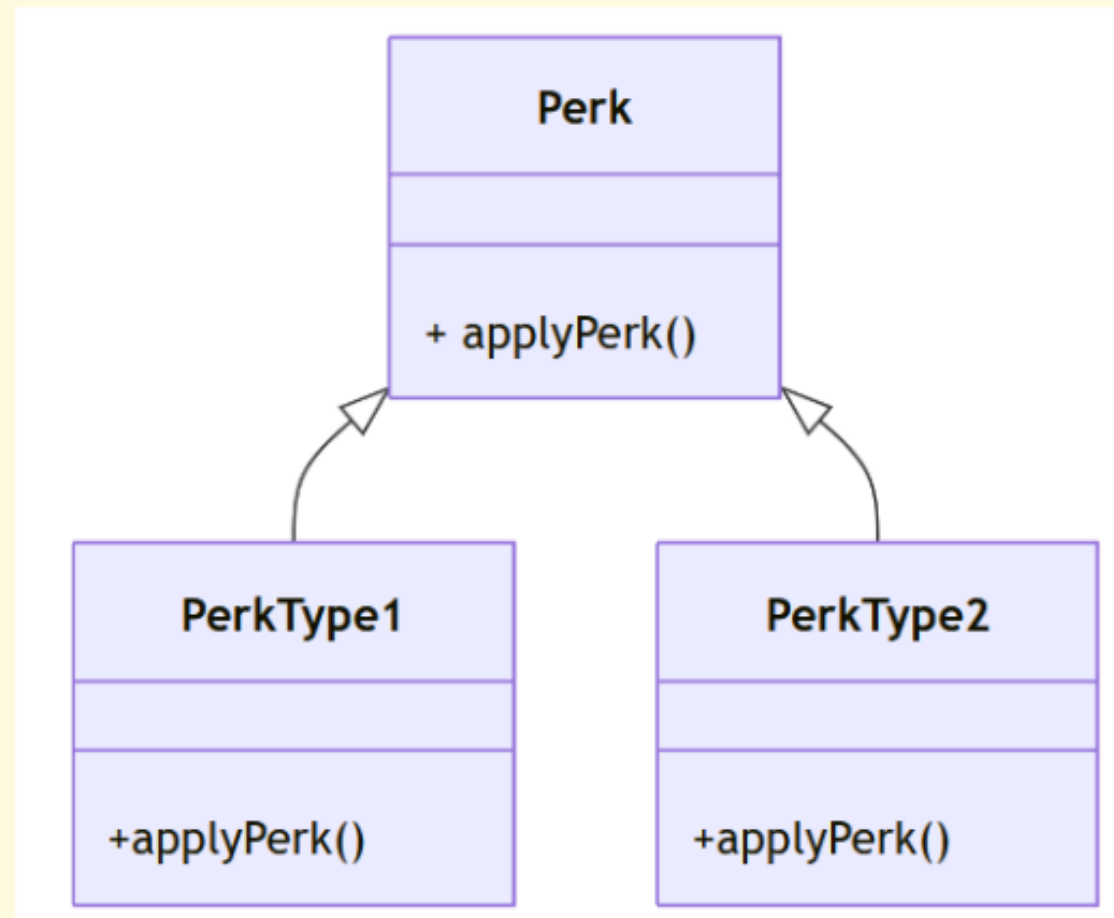
```
public record CartItemAddDTO(
    int quantity,
    LocalDateTime startTime,
    long itemId
) {
    public CartItemAddDTO(CartItem entity) {
        this(
            entity.getQuantity(),
            entity.getStartTime(),
            entity.getItem().getItemId()
        );
    }
}
```



## Design Pattern Visitor

Utilisation des Perks

*Comment appliquer un avantage à un panier ?*

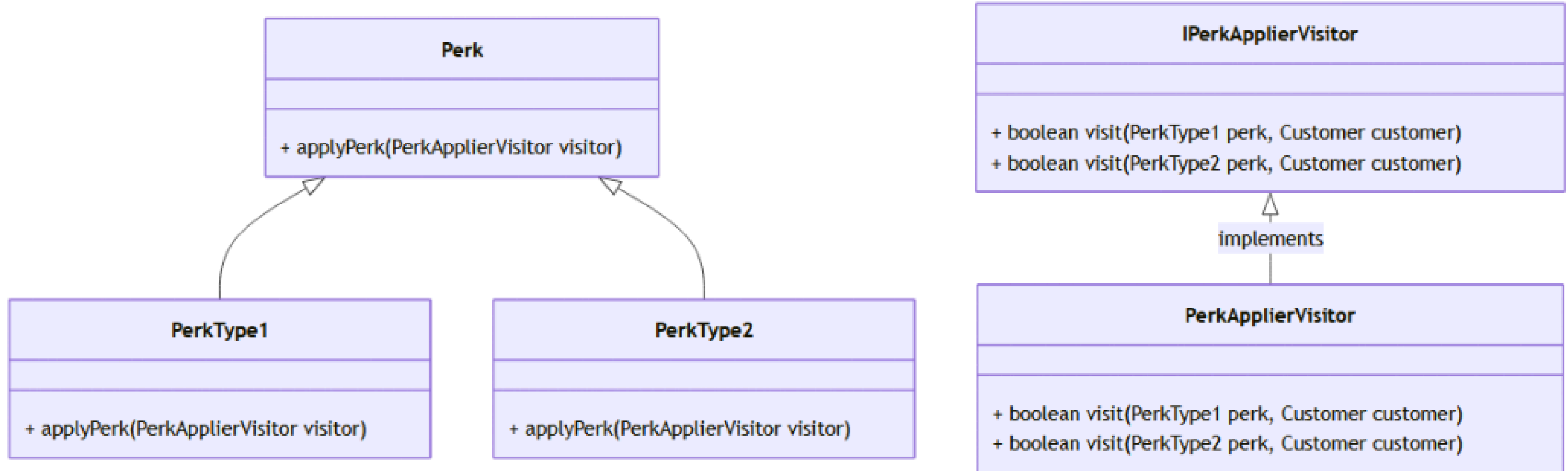




## Design Pattern Visitor

Utilisation des Perks

*Comment appliquer un avantage à un panier ?*





# TESTS



## Tests unitaires

- JUnit sur les portions de code critiques (calculs de discount, gestion d'horaires de réservation)
- DataJpaTest pour les requêtes complexes (Maj du statut VFP)



## Tests d'intégration

Test de l'ensemble tous les services du backend sur les endpoint principaux



## Tests end-to-end

Depuis la CLI, via des tests conteneurisés, pour tester l'ensemble du système (consultation de l'historique d'un client)

The image is an abstract graphic design on a light cream background. It features a large, dark olive-green circle in the center, which serves as a backdrop for the word "DEMONSTRATION". To the left of the central circle is a smaller, solid olive-green circle. To the right is a medium-sized olive-green circle. Above the central circle, there is a solid brown circle and a light beige circle with a white center. Below the central circle, there is a small dark olive-green circle. In the bottom left corner, there is a light beige curved shape. The design is decorated with two rectangular grids of small dark dots, one on the left and one on the right. In the bottom right corner, there are three dark olive-green chevrons pointing downwards.

**DEMONSTRATION**

# SCENARIO OPS

## Branching Strategy : GitFlow

- feature/fix
- dev
- main

TI + E2E











|             | [BE] Build | [CLI] Build | [BE] Unit tests | [CLI] Unit tests | [BE] Docker Build | SonarQube Analysis | [BE] Jfrog push | [CLI] Jfrog push | [BE][CLI] Docker Push |
|-------------|------------|-------------|-----------------|------------------|-------------------|--------------------|-----------------|------------------|-----------------------|
|             | 6s         | 6s          | 1min 4s         | 11s              | 5s                | 3min 3s            | 8s              | 7s               | 50s                   |
| feat / fix  | 7s         | 7s          | 1min 11s        | 12s              |                   |                    |                 |                  |                       |
| PR vers dev | 7s         | 7s          | 1min 11s        | 12s              | 3s                | 3min 34s           |                 |                  |                       |
| dev         | 8s         | 7s          | 1min 11s        | 12s              | 3s                | 3min 36s           | 9s              | 8s               | 39s                   |
| main        | 5s         | 4s          | 51s             | 9s               | 6s                | 2min 34s           | 6s              | 6s               | 48s                   |

SNAPSHOT

RELEASE LATEST

# ARTEFACTS

**JFrog** Artifactory  
Open Source

- ✓  kiwi-card-be-generic-local
  - ✓  release
    - >  250402-1452
  - >  snapshot
- ✓  kiwi-card-cli-generic-local
  - ✓  release
    - >  250402-1452
  - >  snapshot



**roxaane/kiwicard-spring-backend**

By [roxaane](#) • Updated 2 minutes ago

IMAGE

☆0 ↓77

TAG

[latest](#)

Last pushed 3 minutes by [roxaane](#)

Digest

[792011f07d9a](#)

main

TAG

[250402-1452](#)

Last pushed 3 minutes by [roxaane](#)

Digest

[792011f07d9a](#)

main

TAG

[250402-1445-SNAPSHOT](#)

Last pushed 10 minutes by [roxaane](#)

Digest

[532f459cf922](#)

dev

# DOC & QUALITÉ



## Documentation setup CI/CD

- Connexion la VM
- Installation de Docker
- Setup d'un dossier docker pour le projet
- Installation de Jenkins
- Mise en place de Smee
- Installation & configuration de JFrog
- Mise en place de Sonar
- Mise en place du Github plugin pour les checks d'état

### ☆ KiwiCard PUBLIC

Last analysis: 2 minutes ago • 3.1k Lines of Code • Java, XML



### ☆ KiwiCardCLI PUBLIC

Last analysis: 5 minutes ago • 1k Lines of Code • Java, XML



The background is a light cream color. A large, dark olive-green circle is the central focus, containing the text. To its upper left is a smaller olive-green circle. To its upper right is a brown circle and a light beige circle with a white center. To its lower right is a large, light olive-green circle. On the left, a light beige curved shape is partially visible. There are two rectangular grids of small dark dots: one on the left and one on the top right. In the bottom right corner, there are three dark olive-green chevrons pointing downwards.

**MERCI DE  
NOUS AVOIR  
ECOUTÉ**

3 Avril 2025



# KIWI CARD

*Projet IsaDevops*

Baptiste LACROIX  
Clément LEFEVRE  
Roxane BACON  
Antoine MAISTRE RICE  
Antoine FADDA RODRIGUEZ

*Présenté par le groupe J*

