ProductController

- ProductService productService

+ Page<ProductDTO> getAll(int page)
+ ProductDTO getById(Long id)

ProductService

- ProductRepository productRepository

+ Page<ProductDTO> getAll(int page)
+ ProductDTO getById(Long id)

ProductRepository<Product, Long>

+ Page<Product> findAll(int page)
+ Optional<Product> findById(Long id)

ProductDTO

- Long id
- String title
- Float price

Product

- Long id
- String title
- Float price

CartController

- CartService cartService

+ Cart getCart()
+ CartItemDTO getById(Long id)
+ void add(Long productId)
+void delete(Long id)

CartService

- CartItemRepository cartRepository
- ProductClient productClient

+ Cart getCart(Integer userId)
+ CartItemDTO getById(Long id)
+ void add(Long productId)
+ void delete(Long id)
- CartItemDTO itemToDTO(CartItem item)
- CartItem dtoToItem(CartItemDTO dto)

CartItemRepository<CartItem, Long>

+ List<CartItem> findAllByUserId(Long userId
+ Optional<CartItem> findById(Long id)

Cart

- List<CartItemDTO items
- float total
- int count

+ void setItems(List<CartItem

CartItemDTO

- Long id
- long productId
- String producTtitle
- int quantity
- float price
- float amount

CartItem

- Long id
- Long productId
- Integer quantity

OrdersController

- OrdersService oredersService

+ List<OrderDTO> getAll()
+ OrderDTO get(Long id)
+ void add(Long cartitemId)
+ void delete(Long id)