

New table

Account
private final Long id; private String userName; private String password; private Boolean status;

New table

Address
private final ECountry country; private final Integer postCode; private final String street;

New table

User
private Address address; private final String mail; private Long number;
Boolean emailValidation (String email)

New table

Admin

New table

Amazon
HashSet<Account> accountList; LinkedHashSet<Product> productList ;
public void addAccount(Account account) public boolean addProduct(Product product) public boolean mailExist(String mail) public boolean userNameExist(String userName) public void addSales(ArrayList<Product> products) public Account getAccount(String userName) public void incrementPrices(float percent, Business business) public void incrementStock(int amount, Business business) public ArrayList<Product> getBusinessProducts(Business business) public ArrayList<Product> getDepartmentListProducts(EDepartment department) public void recoverAccount(Account account) public void systemCleaner() public void ban(Account account)

New table

Product
final Long id; final Long businessId; String name; Integer stock; Double price; EDepartment department; Boolean status;
public void sold() public void incrementStock(int amount) public void incrementPrice(float percent)

New table

Business
private final HashMap<Date,Product> salesList;
void addSale(Date date, Product product)

New table

Client
private final ArrayList<ShoppingRecord> purchaseList;
void addPurchase(ShoppingRecord shopping) ShoppingRecord getShoppingRecord(int number)

New table

ShoppingRecord
private Instant date; private Instant deliver; private final ArrayList<Product> shoppingList;
public boolean addProduct(Product product) public Double total() public void endPurchase(ECountry country)