VERSION 2

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FINESSE CO.

SYSTEM DESIGN CHANGES

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FINESSE CO
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SOFTWARE ARCHITECTURE

STACK TABLE MVC

Front End	Back End	Markup	Style
Javascript	PHP/PGSQL	HTML	CSS

CURRENT CRC STRUCTURE

This was designed in phase 2.

CRC GOALS

- Design system architecture to reflect system goals

ROLES AND RESPONSIBILITIES

```
Class Name: User
Responsibilites:
*Login
*Register
Collaborators:
*DB



Class Name: Buyer
Parent Class: User
Classname Subclasses: None
Responsibilites:
*Purchase products
Collaborators:
*DB



Class Name: Seller
Parent Class: User
Classname Subclasses: None
Responsibilites:
*Sell Products
Collaborators:
*DB



Class Name: DB
Parent Class: None
```

```
Classname Subclasses: None
Responsibilites:
*Store login info into sql db
*retrieve login info for verification
*store products and product info
*retrieve products and product info for store
Collaborators:
*Buyer
*Seller
```

This CRC is being changed to reflect the following change: Warehouse to perform middleman duties. We are proposing to add this card to the existing CRC card structure.

```
Class Name: WareHouse
Parent Class: None
Classname Subclasses: None
Responsibilites:
*Accept and store payment from users
*Store company budgets and balance
*Accept and store products ready to ship
*Dispatch products to buyers
*Send payments to sellers
*Update DB on transactions
Collaborators:
*Buyer
*Seller
*DB
```

RISKS AND ISSUES MANAGEMENT

POTENTIAL EXCEPTIONS AND PROBLEMS

- Sync issues between DB and Warehouse, may result in double payments/payments not recorded

APPROPRIATE CORRECTIVE MEASURES

Implement central system(controller) to centralize all processes. Purchases, orders and inventory updates must be handled by the central system. Multiple checks made by central system will ensure reduced risk

NEW PROCESS FLOW

This flow defines the process an item goes through. From Seller to buyer. The double transaction recording ensures that payments and items are both recorded in the warehouse before items and payment are dispatched to buyer and seller respectively.

Seller sends item to warehouse

Wait for buyer

Finess Co recieves payment

Seller receives payment

Warehouse

Database records it

Record transaction

Finess Co dispatches item to buyer