



VERSION 2
MARCH 16, 2017

FINESS CO.

SYSTEM DESIGN CHANGES

PRESENTED BY: MOHAMMAD OSAMA ALAM
| HARDEEP SINGH | RAJ SHAH | ANEES BAJWA |
JOSEPH CHARLES | SYED FARJAD ABBAS

FINESS CO
FINESS CO INDUSTRIES ASSOCIATED



FINESS CO.

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.

