

Graph

undirected graph for distribution
centers and cities
add edge
add vertex
find shortest route

Project

Address

Name
City
Street
ID

Shopper
Project

Invoice

- List of products

Shopper
Project

- ID
- Total price

Order

Inventory Manager

ReadCSV

Wn tecsv

default filepath

Writer

Inventory

Project

User Manager

Read CSV for all user

Write CSV for all user

HashMap for all existing user

Read CSV for a separate user

write csv for a separate stopper

default_filepath

User

Project

User

Login	UserManager
browse merchandise	Project
ID	
Password	
Session ID	
all active users	
type of the user	

User

Shopper

Shopping cart	Invoice
List of Invoice	Product
Add product to cart	Inventory
Checkout	Address
View list of Purchase	Project
Add a address (customer)	

USER

Administrator

Add new categories	Product
Generate screen report	Inventory
Add new product	Category
Change photograph	Project
change Description	
change price	
change Quantity	
Add new Distr. Center	
Manage Route	

Inventory

- list of category
- sort products by categories
- sort products by available quantity
- filter merchandise
- deduct quantity
- List of Distribution Center

product

category

InventoryManager
Project

Category

Code

description

list of product

add product

CompareTo

Product

Inventory

Comparable

Project

Product

image

ID

description

category

price

quantity

Distribution centers

Compareto method

Category

Inventory

Comparable

Project

UserDNEException

Exception

User
Project

ExsistingUserException

Exception

User
Project

InvalidPassException

Exception

User
Project

~~Existing Category~~ Exception
~~Inventory~~
Project

Exception

Category DNE

Inventory
Project
Product

Existing ProdException

Exception

Product
Project

Out Of Stock Exception

Exception

Inventory
Project