Computer Science Senior Design of A

Food sales website

By

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https://github.com/comp195/spring-2021-final-project-food-sales-web-site

Comp-195 Senior Project

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System Architecture

Software Modules & Hardware Requirements

Software Modules

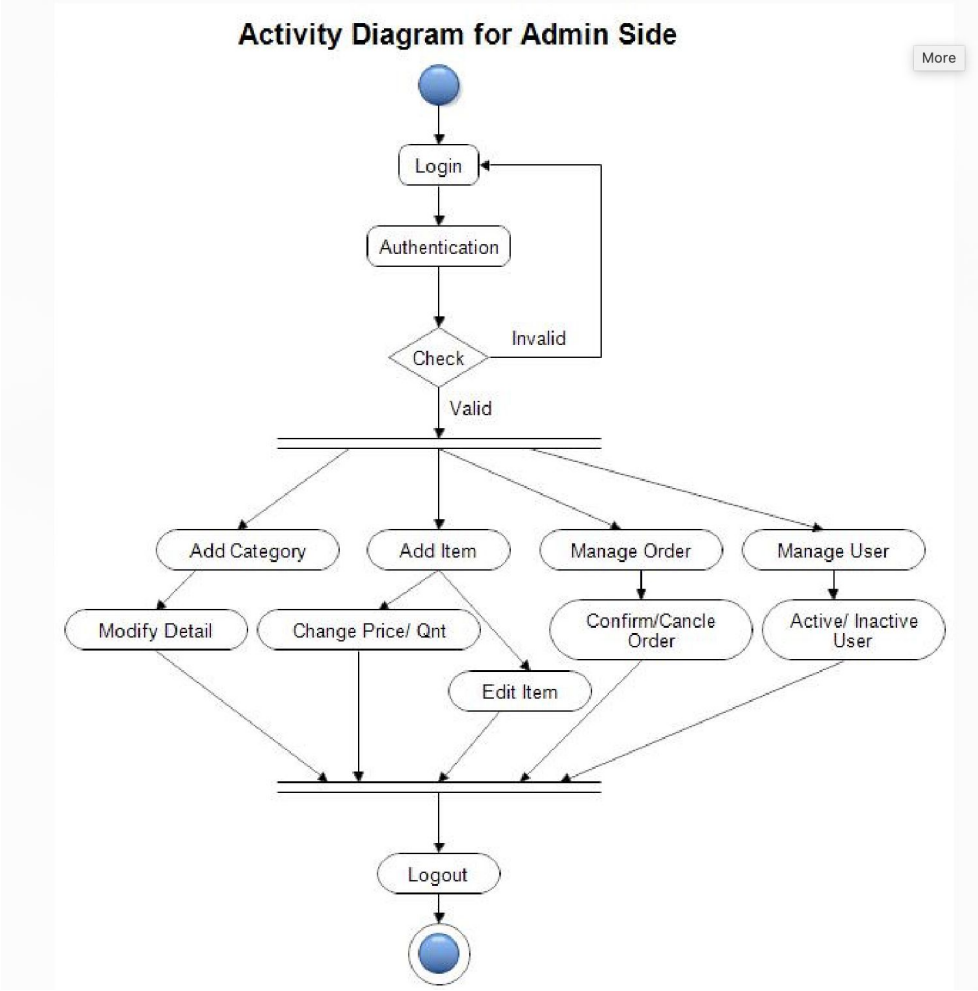
- Java 1.8
- Intellij or Eclipse
- Tomcat
- mySQL

Hardware Components

Type of Hardware	Requirements
Central Processing Unit (CPU)	Minimum: Pentium Pro class – 200MHz Recommendation: Pentium pro class – 400MHz
Random Access Memory (RAM)	Minimum: 256 MB Recommendation: 512 MB
Free Disk Space (hard disk drive)	Minimum: 90 MB free space (For a minimal installation for the OS) Recommendation: 10GB
Peripheral Devices	Video Cards, sounds Cards, network Cards
Additional Device	Mouse, Keyboard

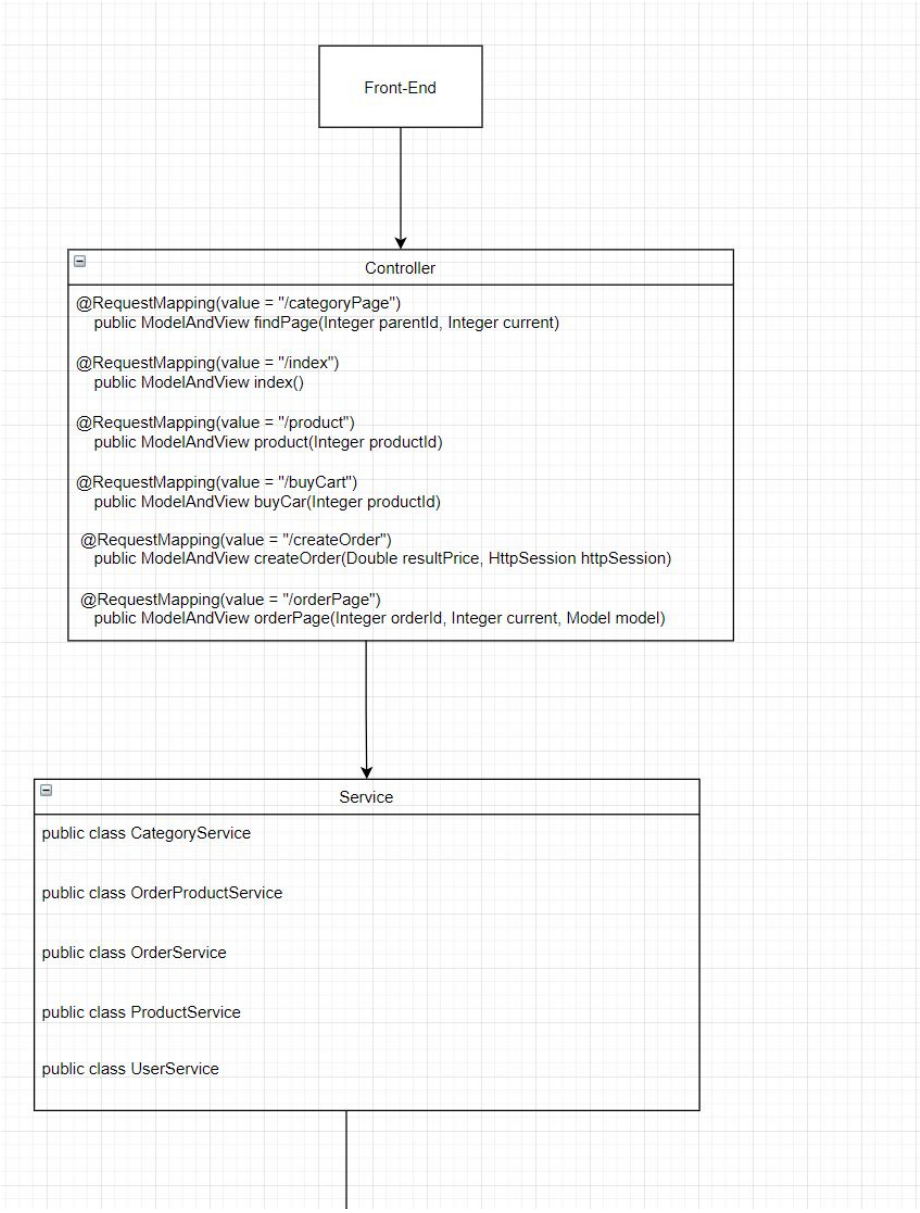
System Architecture

User Interface



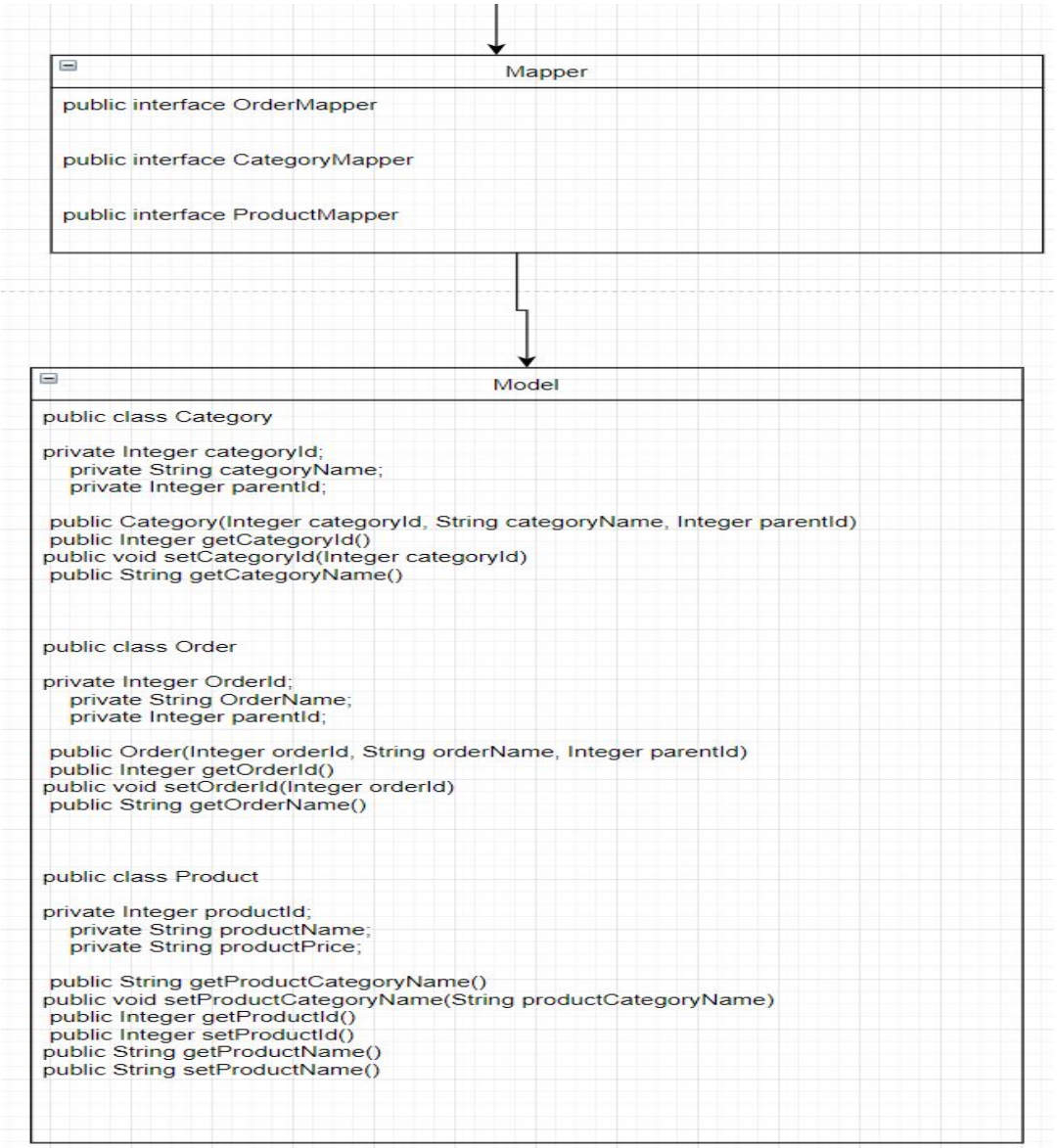
Software Design

Class Diagram



Software Design

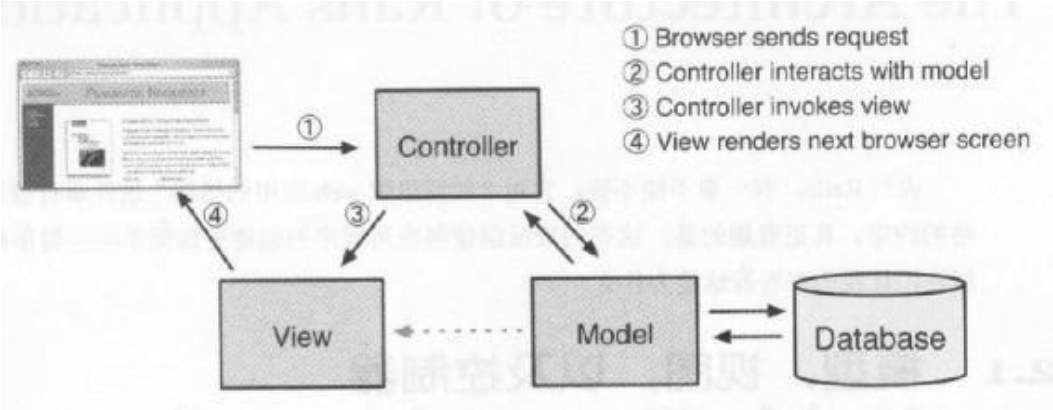
Class Diagram

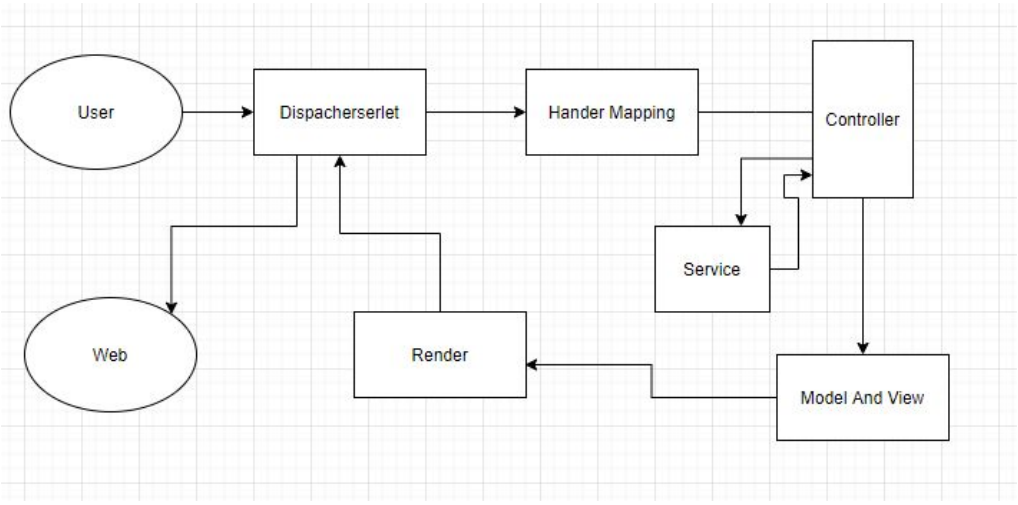


Software Design

Class Specification

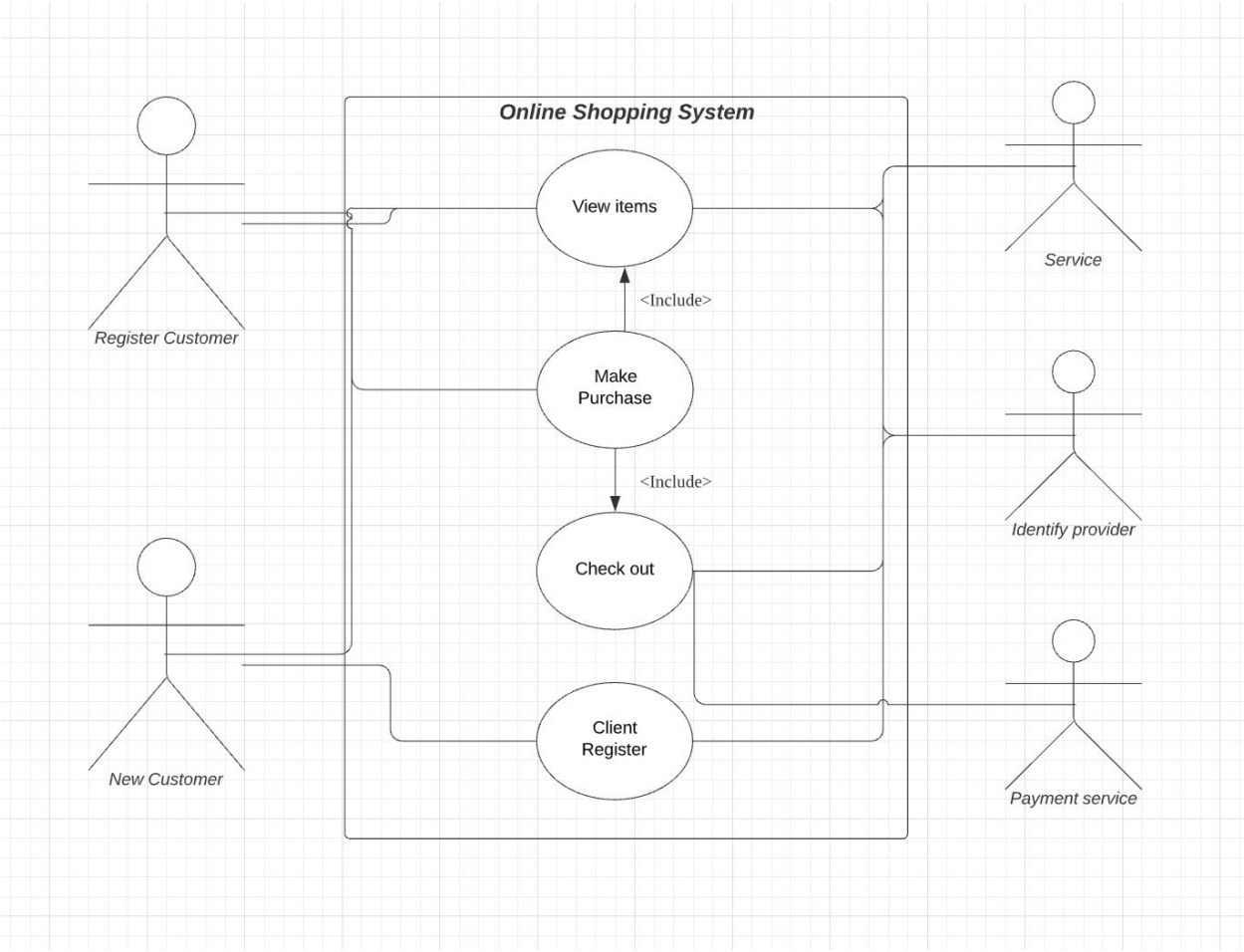
Types and visibility of Classes are all included in the previous class Diagram





Software Design

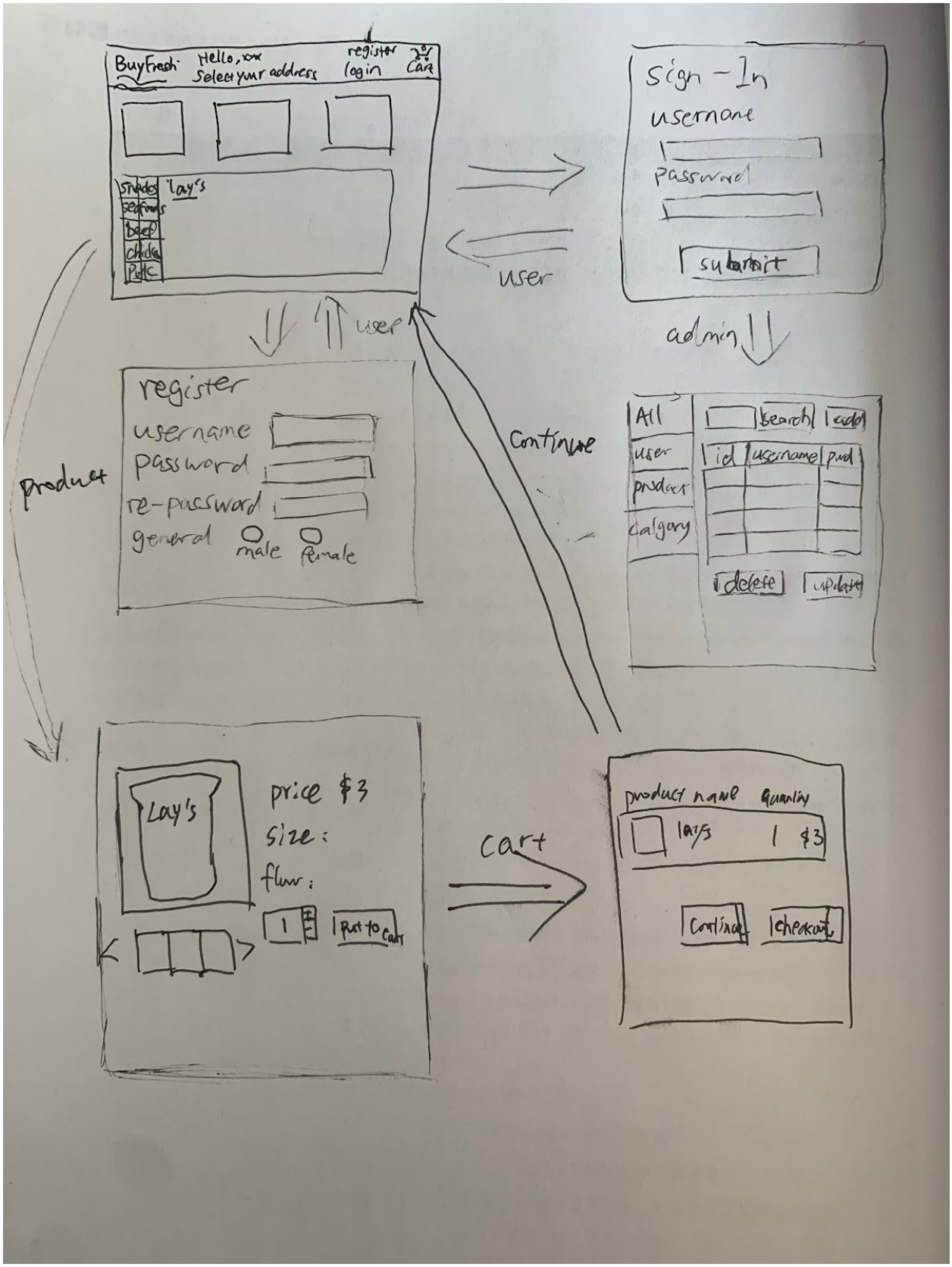
Interaction Diagram



User Interface Design

User Effort Estimation

1. Click register----type username, password, re-password and personal information with registration rules (1 click + 4 keystrokes)
2. Click login -- type username and password--back to index or admin page (1 click + 2 keystrokes)
3. (back to index) Click calgeory name-- click product name -- click product information(color, quantity) -- click add to the cart (4 click)
4. (back to index) Click cart -- click quantity(add, delete) product -- click check out (3 click)
5. (back to admin page) Click user administration(product or category administration)-- click add -- type username and password (product or category name)-- click update with id -- type new username and password(product or category name)-- click delete (5 click + 4 keystrokes)


BuyFresh
Hello, xx
Select your address
register
login
Cart
Lay's
sign - In
username
password
submit
user
user
admin
register
username
password
re-password
general
male
female
Product
Continue
All
search
add
user
id
username
pwd
product
calgary
delete
update
Lay's
price $3
size:
flav:
1
Put to cart
cart
product name
Quantity
lays
1
$3
Continue
checkout

Glossary of terms

Terms of Glossary:

- OrderId: The id for each single order
- OrderName: The name for each order
- Register Customer: The customer that have already registered in the website
- New Customer: The customer haven’t registered in the website
- ProductID: The id for each single product
- ProductName: The name for each single product
- ProductPrice: The price for each single product