Grocery Management System

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Under the Guidance of,

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Introduction:

- Grocery Management System is the System where all the aspects related to the Super Market is done.

- These aspects involves Managing information about the various products , staff , Managers , Customers ,

- Billings etc.

- This system provides an efficient way of managing the Super Market in formation.

Abstract:

- "**Health is wealth**". As the saying goes from our ancient times. Eat healthy and stay healthy as of now a days its very difficult to have healthy food.
- Grocery store managers must ensure that the store runs smoothly that items are priced comparatively and that customers are satisfied.
- People are unable to find time to household works like buying grocery. So by this platform we provide grocery .
- This is an Internet based application that can be accessed throughout the web.
- This system can be used to search for all grocery and fresh vegetables which are available in the market.

Modules:

- Admin Module

- Customer Module

- Product Module

- Cart Module

- Payment Module

Software Requirements :

Front-End:

- Angular6
- Html5
- CSS
- TypeScript

Back-End:

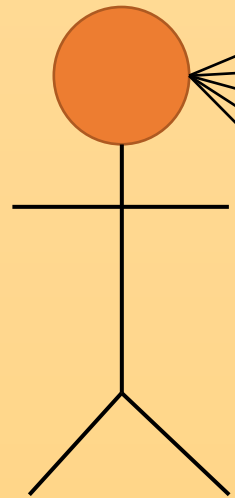- Spring Core. Spring Boot, Rest API, Java Persistence API and Hibernate.

Database:

- MySQL

Hardware Requirements :

- Windows 10 or
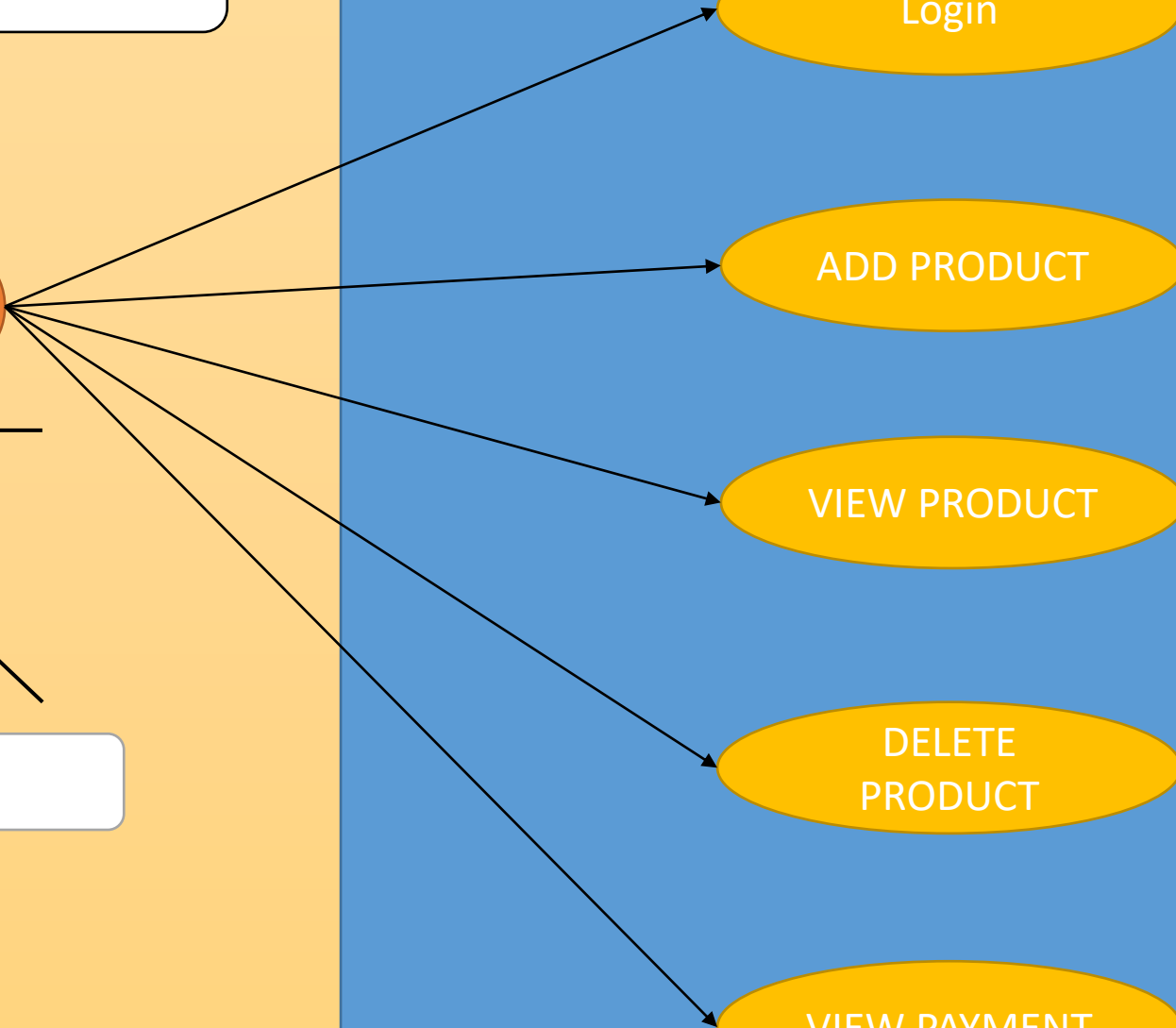 above.

- RAM: 4GB or above.

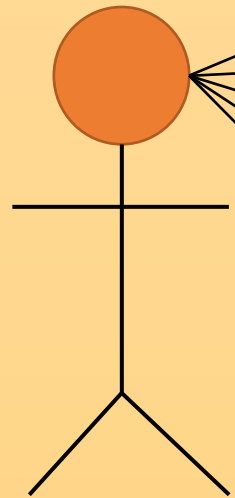# USECASE DIAGRAM

ADMIN

- Login
- ADD PRODUCT
- VIEW PRODUCT
- DELETE PRODUCT
- VIEW PAYMENT

ER DIAGRAM
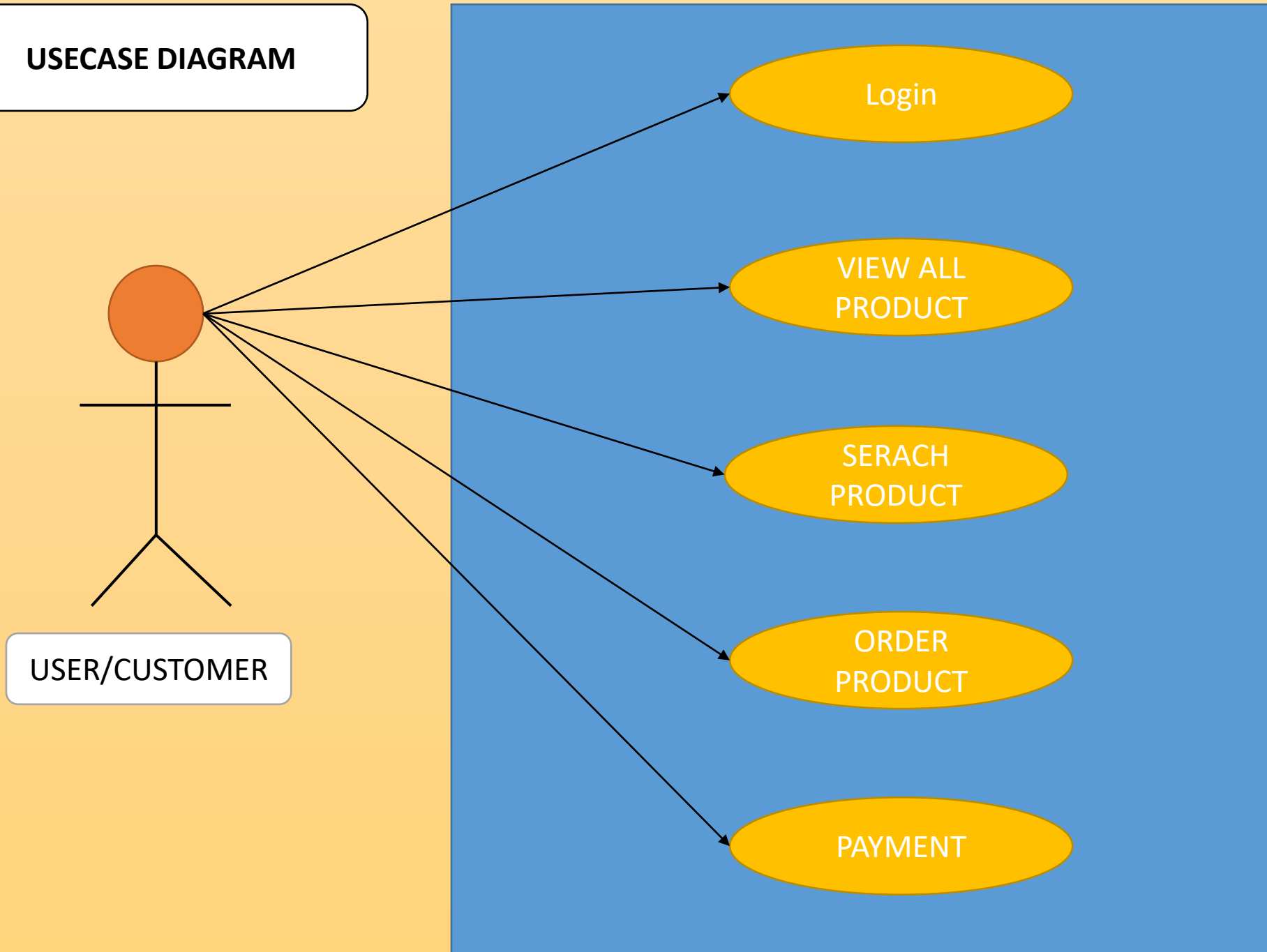
Customer

Int:cId
String: fname
String:lname
String:address
String:phoneNo
String:username
String:password

Login()
Register()

Cart

Int:pId
String: img
String:pName
int:qty
int: uQty
double:price

---

addProduct()
viewAllProduct()
updateProduct()
deleteProduct ()

Admin

Int:cId
String: fname
String:lname
String:phoneNo
String:username
String:password

Login()
Register()

Product

Int:pId
String: img
String:pName
int:qty
int: uQty
double:price

---

addProduct()
viewAllProduct()
deleteProduct ()
updateProduct()
searchProduct ()
viewPayment()
orderProduct()
makePayment()

Payment

Int:payId
String: fname
String:address
String:phoneNo
String:cardNo
String:paymentType
Double:totalAmount

---

makePayment()
viewPayment ()
updatePayment ()
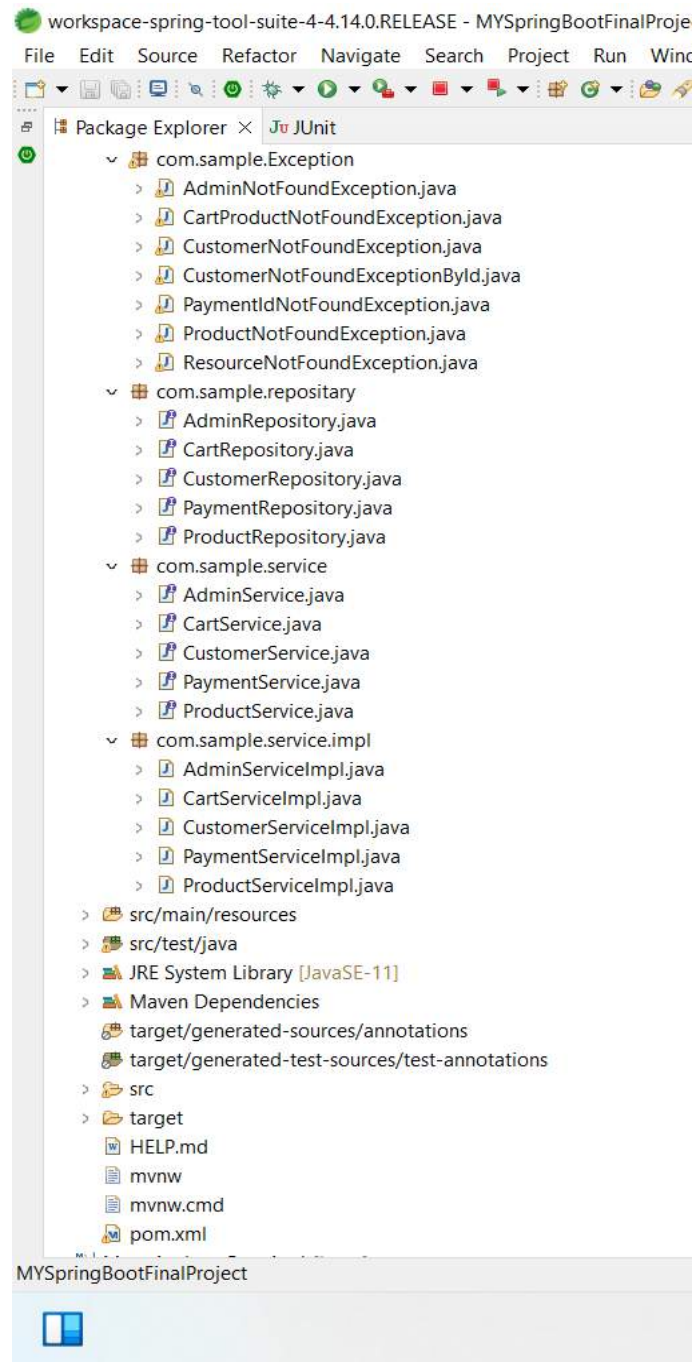deletePayment ()

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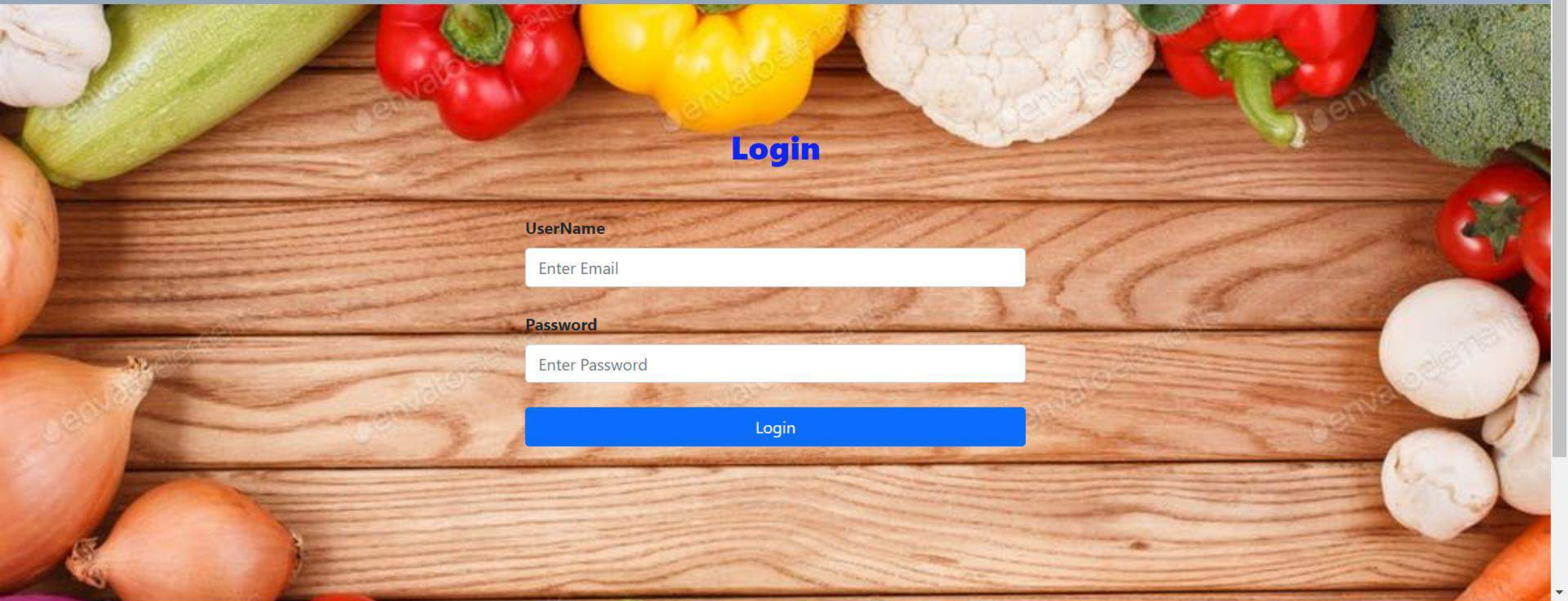Package Explorer ×   Ju JUnit

- MYSpringBootFinalProject [boot]
  - src/main/java
    - com.sample
      - MySpringBootFinalProjectApplication.java
    - com.sample.controller
      - AdminController.java
      - CartController.java
      - CustomerController.java
      - PaymentController.java
      - ProductController.java
      - ValidationHandler.java
    - com.sample.entity
      - Admin.java
      - Cart.java
      - Customer.java
      - Payment.java
      - Product.java
    - com.sample.Exception
      - AdminNotFoundException.java
      - CartProductNotFoundException.java
      - CustomerNotFoundException.java
      - CustomerNotFoundExceptionById.java
      - PaymentIdNotFoundException.java
      - ProductNotFoundException.java
      - ResourceNotFoundException.java
    - com.sample.repositary
      - AdminRepository.java
      - CartRepository.java
      - CustomerRepository.java
      - PaymentRepository.java
      - ProductRepository.java
    - com.sample.service
      - AdminService.java
      - CartService.java
      - CustomerService.java
      - PaymentService.java
      - ProductService.java
    - com.sample.service.impl

MYSpringBootFinalProject

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Package Explorer ×   Ju JUnit

- ⌄ com.sample.Exception
  - > AdminNotFoundException.java
  - > CartProductNotFoundException.java
  - > CustomerNotFoundException.java
  - > CustomerNotFoundExceptionById.java
  - > PaymentIdNotFoundException.java
  - > ProductNotFoundException.java
  - > ResourceNotFoundException.java
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  - > AdminRepository.java
  - > CartRepository.java
  - > CustomerRepository.java
  - > PaymentRepository.java
  - > ProductRepository.java
- ⌄ com.sample.service
  - > AdminService.java
  - > CartService.java
  - > CustomerService.java
  - > PaymentService.java
  - > ProductService.java
- ⌄ com.sample.service.impl
  - > AdminServiceImpl.java
  - > CartServiceImpl.java
  - > CustomerServiceImpl.java
  - > PaymentServiceImpl.java
  - > ProductServiceImpl.java
- > src/main/resources
- > src/test/java
- > JRE System Library [JavaSE-11]
- > Maven Dependencies
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- > src
- > target
- HELP.md
- mvnw
- mvnw.cmd
- pom.xml

MYSpringBootFinalProject

localhost:4200/adminlogin

Grocery

⌂ Home

Login

UserName

Enter Email

Password

Enter Password

Login

Grocery

![Grocery logo] **Grocery**

⌂ Home

Add products

Product Image

../assets/img/product-1.png

Product Name

Banaana

Quantity

200

Price

25

Submit

Grocery

Search

Search

Product List

Image	Product Name	Quantity	Price	Actions		
../assets/img/Apple.webp	Apple	500	50	Delete	Update	Details
../assets/img/product-1.png	Banaana	200	25	Delete	Update	Details
../assets/img/product-3.png	Orange	400	45	Delete	Update	Details
../assets/img/product-5.png	Black Grapes	200	30	Delete	Update	Details
../assets/img/mango.png	Mango	300	35	Delete	Update	Details
../assets/img/green grapes.jpg	Green Grapes	250	32	Delete	Update	Details

Grocery

Update Product

Image

../assets/img/Apple.webp

Product Name

Apple

Quantity

500

Price

50

Submit
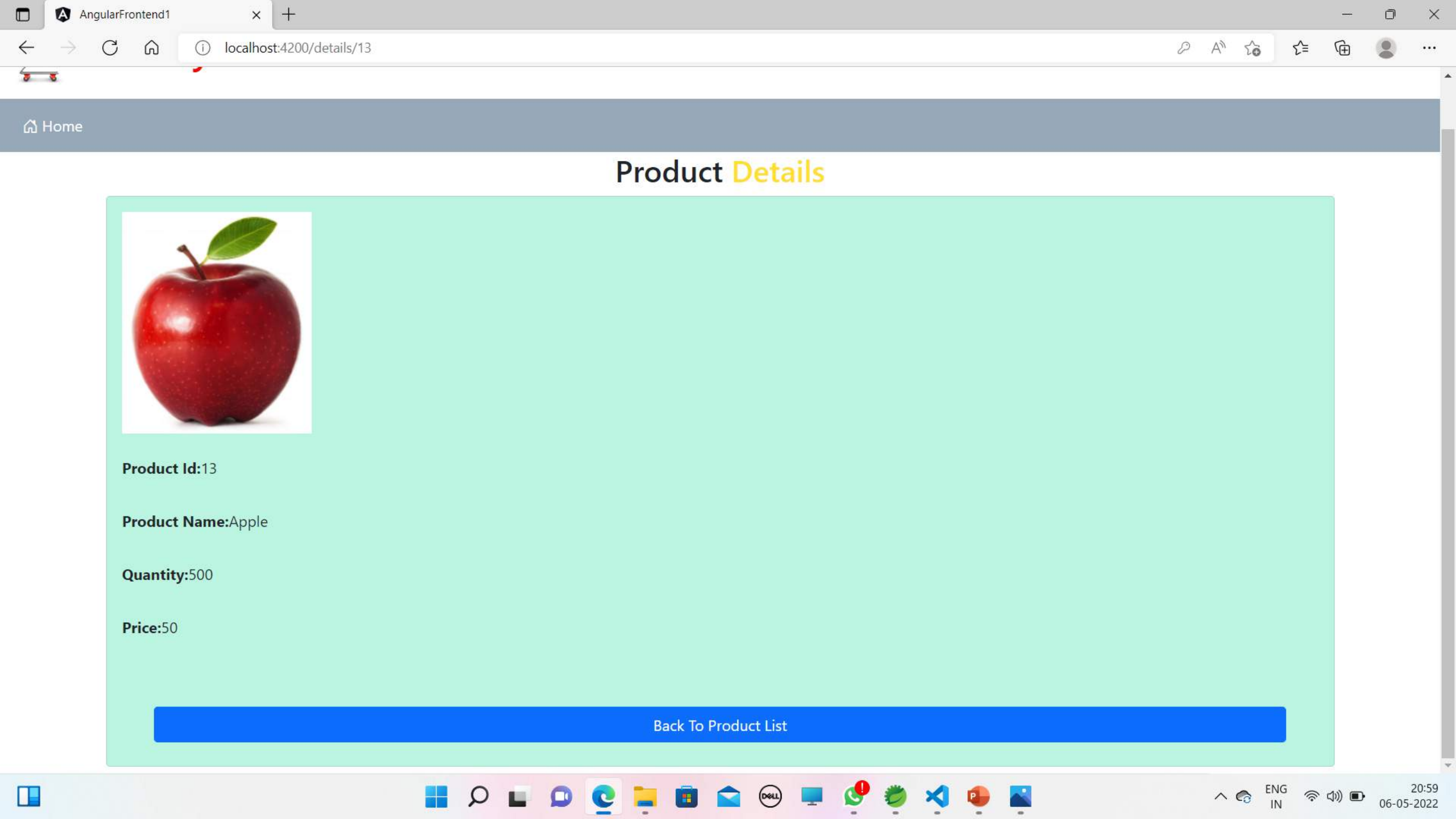
Product Details

Product Id:13

Product Name: Apple

Quantity:500

Price:50

Back To Product List

Grocery

Home Back

Product List

PaymentId	Shipping Addresss	Card No	Customer Name	Payment Type	Phone Number	Grand Total
18	shringeri	1247358921457896	suhaan	Debit Card	8547692435	150
28	Udupi	4568795612345687	Ashwith	Debit Card	7338220659	235
33	belman		Akash Saliyan	Cash on Delivery	6423875214	318

Grocery

Register

Enter

Ashwith	Kunder
7338220659	Udupi
ashwith@gmail.com	••••••••

Register

Existed Customer?Login now

Grocery

Search

Search

latest products

Apple

User Rating:★★★★★

Quantity: 0 **/kg**

Banaana

User Rating:★★★★★

Quantity: 0 **/kg**

Orange

User Rating:★★★★★

Quantity: 0 **/kg**

Apple

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 50

Add To Cart

Banaana

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 25

Add To Cart

Orange

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 45

Add To Cart

Black Grapes

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 30

Add To Cart

Mango

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 35

Add To Cart

Green Grapes

User Rating:★★★★★

Quantity: 0 /kg

Price: ₹ 32

Add To Cart

Grocery

⌂ Home

Your Purchace List

Image	Product Id	Product Name	Quantity	Price For One	Total Price	Actions
	13	Apple	2	50	100	🗑 Remove
	20	Orange	3	45	135	🗑 Remove
	21	Black Grapes	2	30	60	🗑 Remove

Grocery

Your Purchace List

Image	Product Id	Product Name	Quantity	Price For One	Total Price	Actions
	13	Apple	2	50	100	🗑 Remove
	20	Orange	3	45	135	🗑 Remove
Sum: ₹						

Back To List

Make Payment

Grocery

Order Summary

Name   Ashwith

Address   Udupi

PhoneNo   7338220659

Select Payment Method

📇 Debit Card   ⦿   📇 Cash on Delivery ○

Continue

Grocery

Credit Card

Card Owner: Ashwith

Card Number: 4568795612345687

Expiry Date: 02/28

CVV: •••

Pay ₹ 235

Grocery

Home   Back

Save card

Microsoft Edge will save and fill in this card's info next time.

VISA   Visa • • • • 5687   02/28

Nickname (Optional)   Example: Work

Save   No thanks

✓

Payment Success !

A copy of your receipt has been sent to your email

Go to Home

Conclusion:

- By implementing this Grocery Management System we are getting the more flexibility for the Users.

- Which can operate from the home itself by implementing the pay and pickup and pay now options.

Reference:

- www.goggle.com.
- Hoovers (2008a), Industry Profile: Grocery Stores and Supermarkets, available at: http://premium.hoovers.com.proxy1.cl.msu.edu:2047/subscribe/ind/fr/profile/basic. xhtml?ID = 84 (accessed May 20)..

Thank You