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| No. | Modules | Methods | Variables | Description |
| 1 | Signup&activation | SignupForCustomer() | customerId;  firstName  lastName  email  mobileNumber  address  password  confirmPassword | Signup for customer |
| 2 | Login/Logout/session | login() | Email  mobileNumber | Login customer,admin,Merchant |
| 3 | Adminpage/admin Profile | adminPage() |  | Can view Customer and Merchant Details |
| 4 | Merchantpage/MerchantProfile | merchantPage() |  | Merchant able to  Addproduct  Removeproduct  Put new promos  Discount rates  Check orders and send response to Admin |
| 5 | CustomerPage/CustomerProfile | customerPage() |  | Customer can able to view checkoredered items,  Updateprofile,  Wishlist,  Status of delivary,  Feedaback |
| 6 | Password Encryption | passwordEncryption() | encryptingPassword | Validation of password then encrypt the password.store the encrypted password |
| 7 | Change password | changePassword() | changingPassword | Change password |
| 8 | Forget password | forgetPassword() | retriveOldPassword | Fetch the old password from database |
| 9 | Validation of user | ValidationOfUser() | Email  mobileNumber | Data validation of user and Merchant |
| 10 | Managing Inventory | managingInventory() | productId;  productName;  productCategory;  productImage;  productPromos;  productDiscount;  productCost; | Admin and Merchant can able to manage the inventory |
| 11 | Managing Merchant | managingMerchcant() |  | Add (or) remove merchants and send invitation to others |
| 12 | Managing Thrid Party Merchants | managingThirdPartyMerchants() |  | Page display for third party merchant |
| 13 | Feedbacks of Products | feedbacksOfProducts() | feedback | Retrieves the feedback about product (or) merchant |
| 14 | Feedbacks common | feedbacksCommon() | feedback | Send feedback to admin |
| 15 | Search | search() |  | Searching is different for admin,customer and merchant |
| 16 | Image Upload | imageUpload() | productImage | Upload the image into database |
| 17 | ProductImages |  |  | Zooming the images |
| 18 | Discount and Promos | discountAndPromos() | productPromos  ProductDiscount | Admin and merchant can put the promos for certain period |
| 19 | Managing Cart | managingCart() |  | Add (or) remove items from cart |
| 20 | GenerateCoupons | generateCoupons() | couponId | Admin and merchant can generate coupons |
| 21 | BussinessAnalysis | bussinessAnalysis() |  | Generate reports of some particular time period |
| 22 | Sorting Products | sortingProducts() |  | Sort the items based on given range of price,most viewed,best sellers |
| 23 | CapstoreHomePage | capstoreHomePage() |  | Display the categories of items,promos,discounts,list of items |
| 24 | Product Page | productPage() |  | Display the product details and feedback |
| 25 | Wishlist | Wishlist() |  | Add items to users wishlist |
| 26 | Similar products |  |  | Display related items to the user |
| 27 | Rating | rating() | rating | user can give rating to product. based on user rating merchant rating is depend. |
| 28 | Return goods | returnGoods() | productId | User can return goods |
| 29 | Refund money | refundMoney() | productId,productCost | Based on product cost money  Should be refund |
| 30 | Generate Invoice | generateInvoice() | productId,date,productDetails | Generate invoice to user about the product |
| 31 | Apply discounts | applyDiscounts() | productId,productCost,productDiscount | Reduce the cost of the product when discount |
| 32 | Apply Coupons | applyCoupons() | productId,productCost,couponId | Reduce the cost of the product when valid coupons applys |
| 33 | Getting Shipping Details | gettingShippingDetails() | orderId | Display the status |
| 34 | Placing order | placingOrder() | orderId | Confirming the order |
| 35 | Delivering Products | deliveringProducts() | orderId | Delivering the product to the customer |
| 36 | Sending new Promos | sendingPromos() | promoId,productId | Sending the promos to user |
| 37 | Checking, updating status of delivery | deliveryStatus() | orderId | Admin will update the status of the delievery of products |
| 38 | Getting Transaction Details | gettingTransactionDetails() |  | Mode of payment |
| 39 | Transaction Processing | transactionProcessing() | productCost | Update the revenue of capstore |
| 40 | Crash Recovery | crashRecovery() |  | Maintain the cart |
|  |  |  |  |  |

Classes:

1.Customer

* firstName :String
* lastName : String
* email : String
* mobileNumber : String
* address : String
* password: String
* confirmPassword : String
* customerId: int
* orderId: int

2.Merchant:

* firstName :String
* lastName : String
* email : String
* mobileNumber : String
* address :String
* password: String
* confirmPassword : String
* merchantId: int
* merchantRating: double
* promoId : String

3.Admin:

* mobileNumber: String
* password : String
* customer : Customer
* merchant : Merchant
* discount: double
* couponId: int

4.Product:

* productId: int
* productName: String
* productRating : double
* productFeedback : String
* productCategory: String
* productImage:
* productCost: double

5. CapStoreController(Controller class)

6. ICapStoreService( Service Interface)

6.1 CapStoreServiceImpl( Implementation class)

7. ICapStoreDAO (DAO interface)

7.1 CapStoreDAOImpl( Implementation class)

8. ExceptionClass( Exceptions)

9. DataBase(Connection Class)

**PACKAGES :**

1.com.cg.capstore.bean

2.com.cg.capstore.ui

3.com.cg.capstore.service

4.com.cg.capstore.dao

5.com.cg.capstore.exception

6.com.cg.capstore.test

7.com.cg.captore.database