PageHome

-home: PageHome

-PageHome()

+getHomePage() : Page

PageOrders

-orders: PageOrder

PageOrdersInforma

+getPageOrderInfo

+getContent(): Strin

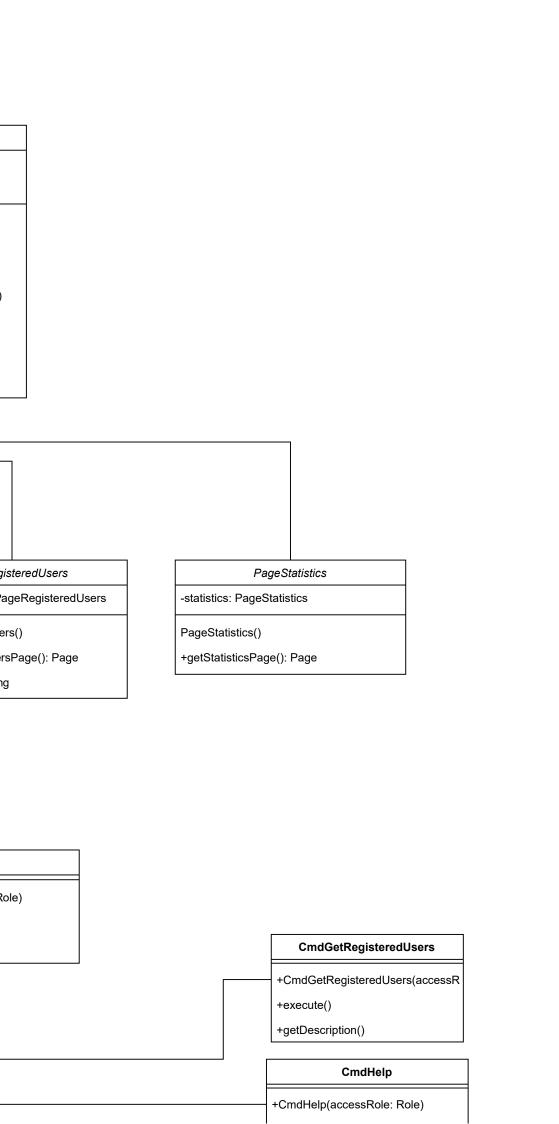## CmdAddLink

+CmdAddLink(accessRole: Role)

+execute()
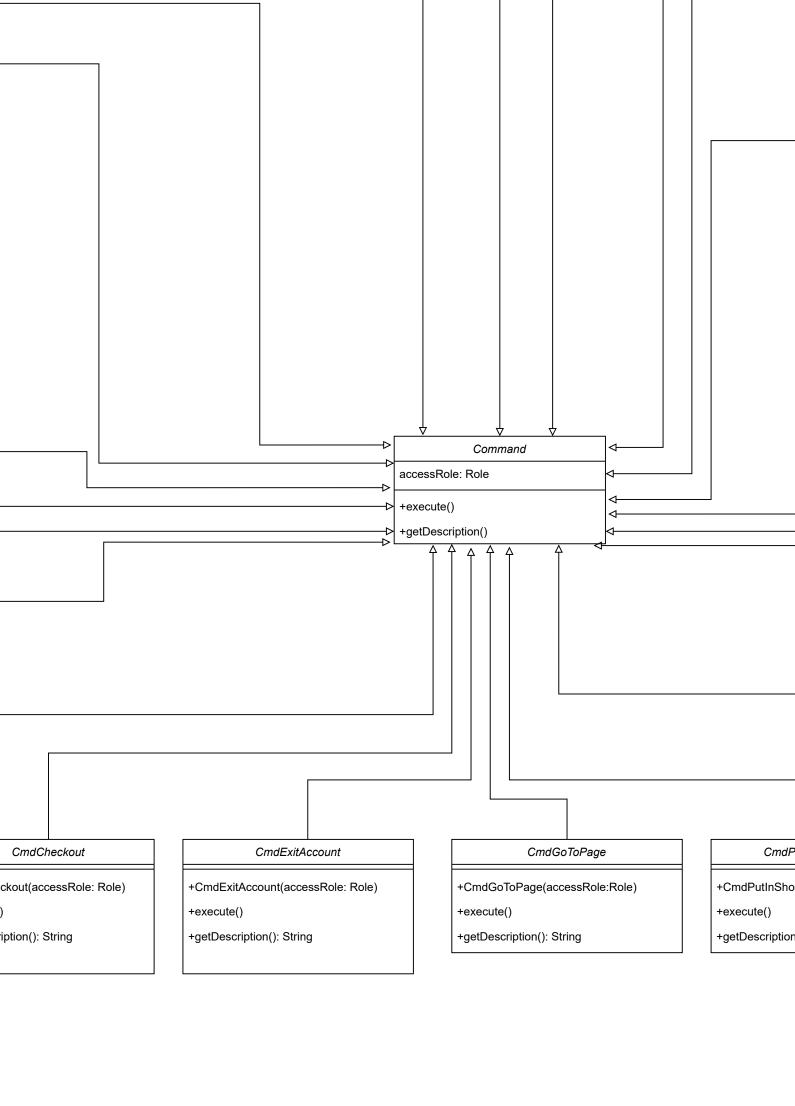
+getDescription()

Page (abstract)

content: String

+nextPages: List<Page>

+attachedCommands: List<Command>

+name: String

+insertNewPage(page:Page)

+insertNewCommand(command: Command)

+getContent(): String

---- Create page ---->

PageFactory

+pages: List<Page>

-factory: PageFactory

-PageFactory

-initialize()

+getPages(): List<Page>

+getFactory(): PageFactory()

+setFactory(newFactory: PageFactory)

+getPageByName(name: String,): Page

...sInformation

...sInformation

...tion()

...rmation(): Page

...g

PageProduct

+specifications: ProductSpecificationFactory

PageProduct(name:String)

+getContent():String

PageProducts

-products: PageProducts

PageProducts()

+getPageProducts() : Page

+getPageProducts() : Page

PageReg...

-registeredUsers: P...

PageRegisteredUs...

+getRegisteredUse...

+getContent(): Strin...

CmdAuthorize

+CmdAuthorize(accessRole:Role)

+execute()

+getDescription(): String

CmdQuit

+CmdQuit(accessRole:Role)

+execute()

+getDescription(): String

CmdRegister

+CmdRegister(accessRole:R...

+execute()

+getDescription(): String

)	

		PageStatistics
gisteredUsers		-statistics: PageStatistics
PageRegisteredUsers		
rs()		PageStatistics()
rsPage(): Page		+getStatisticsPage(): Page
ng		

Role)	

CmdGetRegisteredUsers

+CmdGetRegisteredUsers(accessR

+execute()

+getDescription()

CmdHelp

+CmdHelp(accessRole: Role)
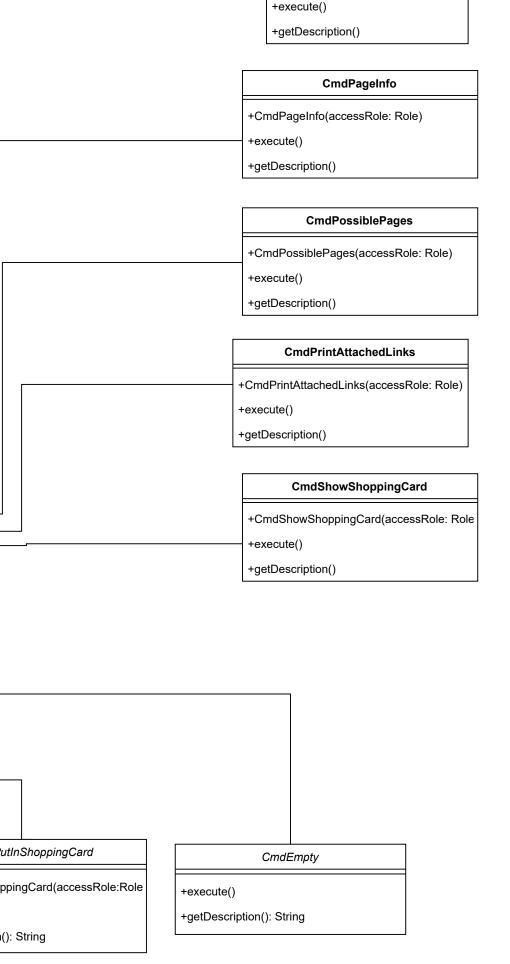
CmdAddProduct

+CmdAddProduct(accessRole: Role)

+execute()

+getDescription()

CmdAttachCommands

+CmdAttachCommands(accessRole: Role)

+execute()

+getDescription()

CmdRemoveCommand

+CmdRemoveCommand(accessRole: Role)

+execute()

+getDescription()

CmdRemoveLink

+CmdRemoveLink(accessRole: Role)

+execute()

+getDescription()

CmdRemoveProduct

+CmdRemoveProduct(accessRole: Role)

+execute()

+getDescription()

CmdChangePage

-nextPage: Page

-client: Client

+CmdChangePage(nextPage: Page, client: Client)

+execute()

+getDescription()

+CmdChe

+execute(

+getDescr

Command

Command
accessRole: Role
+execute() +getDescription()

CmdCheckout

CmdCheckout
ckout(accessRole: Role)) ription(): String

CmdExitAccount

CmdExitAccount
+CmdExitAccount(accessRole: Role) +execute() +getDescription(): String

CmdGoToPage

CmdGoToPage
+CmdGoToPage(accessRole:Role) +execute() +getDescription(): String

CmdP

CmdP
+CmdPutInSho +execute() +getDescription

```
                                    +execute()

                                    +getDescription()


                        ┌─────────────────────────────────────┐
                        │              CmdPageInfo             │
                        ├─────────────────────────────────────┤
                        │ +CmdPageInfo(accessRole: Role)       │
        ────────────────┤                                      │
                        │ +execute()                           │
                        │                                      │
                        │ +getDescription()                    │
                        └─────────────────────────────────────┘


                        ┌─────────────────────────────────────┐
                        │            CmdPossiblePages          │
                        ├─────────────────────────────────────┤
                        │ +CmdPossiblePages(accessRole: Role)  │
   ─────────────────────┤                                      │
  │                     │ +execute()                           │
  │                     │                                      │
  │                     │ +getDescription()                    │
  │                     └─────────────────────────────────────┘
  │
  │                     ┌─────────────────────────────────────┐
  │                     │         CmdPrintAttachedLinks        │
  │                     ├─────────────────────────────────────┤
  │   ──────────────────┤ +CmdPrintAttachedLinks(accessRole: Role) │
  │  │                  │ +execute()                           │
  │  │                  │ +getDescription()                    │
  │  │                  └─────────────────────────────────────┘
  │  │
  │  │                  ┌─────────────────────────────────────┐
  │  │                  │          CmdShowShoppingCard         │
  │  │                  ├─────────────────────────────────────┤
  │  │                  │ +CmdShowShoppingCard(accessRole: Role│
  │  └──────────────────┤ +execute()                           │
  └─────────────────────┤                                      │
                        │ +getDescription()                    │
                        └─────────────────────────────────────┘
```

```
                   ┌────────────────────────────────────┐
                   │                                    │
┌────────┐         │                                    │
│        │         │                                    │
┌───────────────┐  │   ┌──────────────────────────────┐
│ utInShoppingCard│ │   │           CmdEmpty           │
├───────────────┤  │   ├──────────────────────────────┤
│ ppingCard(accessRole:Role│ +execute()                 │
│               │  │   │                              │
│ (): String    │  │   │ +getDescription(): String     │
└───────────────┘  │   └──────────────────────────────┘
```

CommandFactory

-factory:CommandFactory

-emptyCommand: Command

-commands: Map<String, Command>

+interfaceCommands: List<Command>

+client: Client

-CommandFactory(client: Client)

+initialize(client:Client)

+getCommands(): Map<String, Command>

+getCommandByStr(stringCommand:String):Command

Data

-serialVersionUID: long

+orderNo: int

+dataBase: DataBase

-factory:PageFactory

-users: List<User>

+orders:List<OrderInformat

-DataBase()

+initialize()

+containsUser(login:String)

+addUser(user:User)

+getUsers():List<User>

+save()

+restoreDataBase():DataBa

ProductSpecification

+specification:String

+description:String

ProductSpecification(specification:String, description: String)

+param

+price

Produc

...aBase

...ion>

...: boolean

...ase

OrderInformation

+orderNo:int

+userName: String

+OrderInformation(orderNo:int, userName:String)

<<enumeration>>
Role

ADMIN

CLIENT

GUEST

S...

+loadPage(

ProductSpecificationFactory

...meters:List<ProductSpecification>

...:int

...ctSpecificationFactory()

Client

-currentPage:Page

-currentUser:User

-initialize()

+run()

-execute(pageActions:List<Command>, scanner:Scanner)

+getCurrentPage():Page

+setCurrentPage(page:Page)

+getCurrentUser():User

+setCurrentUser()

Server
client:Client)

User
-guest: User
+shoppingCard:List<ProductSpecificationFactory>
+name:String
+login:String
+password:String
+role: Role
+User()
+User(name:String, login:String, password:String, role:Role)

GoGreen
main(args:String[])