VOPC: BUY ITEM

<< Boundary >> BuyView
- + sendRequestToSeller()
- + displayOrderSummary()
- + acceptOrder()

ItemInSaleBean
- price: Integer
- referedItem: Item
- description: String
- condition: Condition(enum)
- availability: Boolean
- media: String[0..*]

- + getPrice(): Integer
- + setPrice(Integer):
- + getReferedItem(): Item
- + setReferedItem(Item):
- + getCondition(): Condition
- + setCondition(Condition):
- + getAvailability(): Boolean
- + setAvailability(Boolean):
- + getMedia(Integer): String
- + addMedia(String):
- + deleteMedia(Integer):

UserBean
- name: String
- lastName: String
- profilePicture: String
- address: Location

- + getName(): String
- + getLastName(): String
- + getProfilePicture(): String
- + getAddress(): Location

<< Entity >> User
- name: String
- lastName: String
- username: String
- gender: Gender (enum)
- birthDate: Date
- email: String
- password: String

- + getName(): String
- + setName(String):
- + getLastName(): String
- + setLastName(String):
- + getUsername(): String
- + setUsername(String):
- + getGender(): Gender
- + setGender(Gender):
- + getBirthDate(): Date
- + setBirthDate(Date):
- + getEmail(): String
- + setEmail(String):
- + getPassword(): String
- + setPassword(String):
- + increaseCredit(Integer):
- + decreaseCredit(Integer):

<< Entity >> UserProfile
- profilePicture: String
- coverPicture: String
- bioInfo: String
- phoneNumber: String

- + setProfilePicture(String):
- + getProfilePicture(): String
- + setCoverPicture(String):
- + getCoverPicture(): String
- + setBio(String):
- + getBio(): String
- + setPhoneNumber(String):
- + getPhoneNumber(): String
- + getAccount(Integer): Account
- + addAccount(Account):
- + deleteAccount(Integer):
- + getAddress(): Location
- + setAddress(Location):

<< Control >> BuyController
- + sendRequestToSeller()
- + generateOrderSummary()
- + acceptOrder()
- + verifyCredit()
- + sendInsufficientCreditNotification
- + generateCode(): String
- + startTimer(): void
- + timeout()
- + annulCode():
- + stopTimer()
- + sendTimeoutNotification()
- /-/+ storeOrder()
- /-/+ sendSuccessNotification()

OrderBean
- orderID: Integer
- orderDate: date
- orderStatus: Boolean
- code : String
- buyer: User
- involvedItem

- + addTimer(Timer):
- + getCode(): String
- + getOrderID(): Integer
- + setOrderID(Integer):
- + getItemInvolved(): Item
- + setItemInvolved(Item):
- + getOrderDate(): Date
- + setOrderDate(Date):
- + getOrderStatus(): Boolean
- + setOrderStatus(Boolean):
- + getBuyer(): Buyer
- + setBuyer(Buyer):

<<Entity>> Book
- author: String
- edition: Integer
- numberOfPages: Integer
- genre: BookGenre (enum)
- publishingHouse: String

- + getAuthor(): String
- + setAuthor(String):
- + getEdition():Integer
- + setEdition(Integer):
- + getNumberOfPages(): Integer
- + setNumberOfPages(Integer):
- + getGenre(): BookGenre
- + setGenre(BookGenre):
- + getPublishingHouse(): String
- + setPublishingHouse(String):

<< Entity >> Account

<< Entity >> Location

<< Entity >> Order
- orderID: Integer
- orderDate: Date
- orderStatus: Boolean
- code : String
- buyer: User

- + addTimer(Timer):
- + getCode(): String
- + getOrderID(): Integer
- + setOrderID(Integer):
- + getItemInvolved(): Item
- + setItemInvolved(Item):
- + getOrderDate(): Date
- + setOrderDate(Date):
- + getOrderStatus(): Boolean
- + setOrderStatus(Boolean):
- + getBuyer(): Buyer
- + setBuyer(Buyer):

<< Entity >> ItemInSale
- price: Integer
- description: String
- condition: Condition(enum)
- availability: Boolean
- media: String[0..*]
- address: Location

- + getPrice(): Integer
- + setPrice(Integer):
- + getReferedItem(): Item
- + setReferedItem(Item):
- + getCondition(): Condition
- + setCondition(Condition):
- + getAvailability(): Boolean
- + setAvailability(Boolean):
- + getMedia(Integer): String
- + addMedia(String):
- + deleteMedia(Integer):
- + getSeller(): User
- + setSeller(User):
- + getAddress(): Location
- + setAddress(String):

<<Entity>> Item
- name : String
- publishingDate : Date
- target : Target (enum)
- language : String

- + getGenre(): Genre
- + setGenre(Genre):
- + getName(): String
- + setName(String):
- + getPublishingDate(): Date
- + setPublishingDate(Date):
- + getTarget(): Target
- + setTarget(Target):

<<Entity>> Movie
- duration: Integer
- genre: MovieGenre (enum)

- + getDuration(): Integer
- + setDuration(Integer):
- + getGenre(): MovieGenre
- + setGenre(MovieGenre):

<<Entity>> Wallet
- currentCredit: Integer

- + getCurrentCredit(): Integer
- + setCurrentCredit(Integer):
- + addOrder(Order):
- + removeOrder(Order):

<<Entity>> VideoGames
- consoles: VGConsoles[0..*] (enum)
- genre: VideoGamesGenre (enum)

- + getConsole(Integer): VGConsoles
- + addConsole(VGConsoles):
- + deleteConsole(Integer):
- + getGenre(): VideoGamesGenre
- + setGenre(VideoGamesGenre):

- profileInfo
- accounts[0..*]
- address
- wallet
- orderList[0..*]
- involvedItem
- referedItem
- seller