

Use Cases

Phase 1 - Group 0041

UserManager
- Userlist: List<User>
+ UserManager() : void
+ getAllUsers(): List<User>
+ setUser(userList: List<User>) : void
+ createUser(newUsername:String, newUserPassword: String): void
+ freeze(user: User): void
+ unfreeze(user:User): void
+ pseudoFreeze(user: User): void
+ unpseudoFreeze(user:User) : void
+ addToDraftInventory(user:User, item: Item): void
+ removeFromDraftInventory(user:User, item: Item): void
+ addToInventory(user:User, item: Item): void
+ removeFromInventory(user:User, item: Item): void
+ addToWishlist(user:User, item: Item): void
+ removeFromWishlist(user: User, item:Item): void
+ addToPendingRequests(user: User, item: Item): void
+ removeFromPendingRequests(user: User, item: Item): void
+ addToCancelledTransactions(user: User, item: Item): void
+ approveDraftInventoryItem(user: User, item: Item): void
+ rejectDraftInventoryItem(user: User, item: Item): void
+ updateTradeHistory(user:User, item:Item): void
+ addToItemHistory(user:User, item:Item): void
+ addTopPendingTrades(user:User, item: Item): void
+ removeFromPendingTrades(user:User, item: Item): void
+ addToAgreedUponMeeting(user: User, item: Item): void
+ removeFromAgreedUponMeeting(user: User, item: Item): void
+ changeItemStatus(user: User, item: Item, status:String): void
+ updateTopTradeInPartners(user: User): void
+ getRecentlyTradedItems(user: User): List<Item>
+ addToCancelledTransactions(user : User, cancelledTransactions : Transaction) : void
+ getUser(userAsAttribute: User): User

TransactionManager
-InProgressTransaction : List<Transaction>
-finalizedMeeting : List<Transaction>
-pendingSecondExchange : List<Transaction>
-completedTransaction : List<Transaction>
-cancelledTransaction : List<Transaction>
+ TransactionManager() : void
+ updateTransactionStatus(itemManager : ItemManger, userManager : UserManager, transaction : Transaction, tradeStatus : int) : void
+ setInitialMeeting(transaction : Transaction, meeting : Meeting) void
+ setFinalMeeting(transaction : Transaction, meeting : Meeting) : void
+ addTopPendingTransactions(transaction : Transaction, userManager : UserManager) : void
+ handleCancelledTrade(userManager : UserManager, transaction : Transaction) : void
+ handleSecondExchange(userManager : UserManager, itemManager : ItemManager, transaction : Transaction) : void
+ handleFirstExchange(userManager : UserManager, transaction : Transaction, itemManager : ItemManager) : void
+ handleCompletePerm(userManager : UserManager , itemManager : ItemManager, transaction : Transaction) : void

MeetingManager
+ createMeeting(date: String, time: String, place:String): Meeting
+ createReturnMeeting(meeting: Meeting, months: int): Meeting
+ createDate(date: String, time: String): Calendar
+ editMeeting(meeting: Meeting, date: String, time: String, place: String): void
+ confirmMeeting(meeting: Meeting): void

TradeRequestManager
- pending : List<TradeRequests>
- denied : List<TradeRequests>
- confirmed : List<TradeRequests>
+ TradeRequestManager() : void
+ receiveTradeRequest(userManager : UserManager, request : TradeRequest) : void
+ updateRequestStatus(transactionManager : TransactionManager, userManager : UserManager, request : TradeRequest, status : int) : void
+ handleConfirmedRequests(transactionManager : TransactionManager, userManager : UserManager, request : TradeRequest) : void

ItemManager
- systemInventory: List<Item>
+ ItemManager() : void
+ getSystemInventory(): List<Item>
+ addItem(item: Item) : void
+ setOwner(item: Item) : void
+ setCurrentHolder(item: Item, user: User) : void
+ setSystemInventory(inventory: List<Item>): void

AdminManager
- allAdmins: List<Admin>
- lentMinusBorrowedThreshold : int
- meetingEditThreshold : int
- weeklyTransactionLimit: int
- incompleteTransactionLimit : int
+ AdminManager(initialAdmin : AdminManager) : void
+ addAdmin(newAdminUsername:String, newAdminPassword:String): void
+ getAllAdmins() : List<Admin>
+ getLentMinusBorrowedThreshold() : int
+ setLentMinusBorrowedThreshold(lentMinusBorrowedThreshold : int) : void
+ getMeetingEditThreshold() : int
+ setMeetingEditThreshold() : void
+ getWeeklyTransactionLimit() : int
+ setWeeklyTransactionLimit() : void
+ getIncompleteTransactionLimit() : int
+ setIncompleteTransactionLimit(incompleteTransactionLimit : int) : void