User

f 🔒	name	String
f 🔒	username	String
f 🔒	password	String
m 🔑	User(String, String, String)	
m 🔑	getName()	String
m 🔑	setName(String)	void
m 🔑	getUsername()	String
m 🔑	setUsername(String)	void
m 🔑	getPassword()	String
m 🔑	setPassword(String)	void
m 🔑	isAdmin()	boolean
m 🔒	toString()	String

TradingUser

f 🔒	inventory	Set<String>
f 🔒	wishlist	Set<String>
f 🔒	frozen	boolean
f 🔒	credit	int
m 🔑	TradingUser(String, String, String)	
m 🔑	getInventory()	Set<String>
m 🔑	addToInventory(String)	void
m 🔑	removeFromInventory(String)	void
m 🔑	getWishlist()	Set<String>
m 🔑	addToWishlist(String)	void
m 🔑	removeFromWishlist(String)	void
m 🔑	isFrozen()	boolean
m 🔑	setFrozen(boolean)	void
m 🔑	getCredit()	int
m 🔑	incrementCredit()	void
m 🔑	decrementCredit()	void
m 🔑	isAdmin()	boolean
m 🔒	toString()	String

UserManager

f 🔒	tradingUsers	Map<String, TradingUser>
f 🔒	adminUsers	Map<String, User>
m 🔒	UserManager()	
m 🔒	login(String, String, UserTypes)	boolean
m 🔒	createTradingUser(String, String, String)	boolean
m 🔒	createAdminUser(String, String, String)	boolean
m 🔒	setPasswordByUsername(String, String, UserTypes)	void
m 🔒	updateCreditByUsername(String, boolean)	void
m 🔒	getCreditByUsername(String)	int
m 🔒	getSetByUsername(String, ItemSets)	Set<String>
m 🔒	addToSet(String, String, ItemSets)	void
m 🔒	removeFromSet(String, String, ItemSets)	void
m 🔒	setFrozen(String, boolean)	void
m 🔒	markUserForUnfreezing(String)	void
m 🔒	isFrozen(String)	boolean
p	unfreezeRequests	Set<String>
p	usersForFreezing	Set<String>
p	threshold	int

UserTypes

TRADING
ADMIN

ItemSets

INVENTORY
WISHLIST