

Winehouse	
name	String
wines	HashMap<Wine, InventoryItem>
sellers	ArrayList<Seller>
members	ArrayList<User>
orders	ArrayList<Order>
requestedWines	ArrayList<Request>
Winehouse()	
Winehouse(String, HashMap<Wine, InventoryItem>, ArrayList<Seller>, ArrayList<User>)	
getName()	String
setName(String)	void
getWines()	HashMap<Wine, InventoryItem>
setWines(HashMap<Wine, InventoryItem>)	void
getSellers()	ArrayList<Seller>
setSellers(ArrayList<Seller>)	void
getMembers()	ArrayList<User>
setRequestedWines(ArrayList<Request>)	void
getRequestedWines()	ArrayList<Request>
setMembers(ArrayList<User>)	void
getOrders()	ArrayList<Order>
login(String, String)	Person
signUp(String, String)	void
findWinesName(Person, String)	HashMap<Wine, InventoryItem>
findWinesYear(User, Integer)	HashMap<Wine, InventoryItem>
addWine(Seller, Wine, Integer)	void
addWine(Seller, Wine, Integer, Integer)	void
removeWine(Seller, Wine, Integer)	boolean
removeWine(Seller, Wine, Integer, Integer)	boolean
requestWine(User, String)	void
orderWine(User, Wine, Integer, Integer)	void
shipWines(Seller)	void
getOrdersForUser(User)	ArrayList<Order>
getWinehouseData(Person)	String
stringAllWines()	String

Person	
username	String
password	String
Person()	
Person(String, String)	
getUsername()	String
setUsername(String)	void
getPassword()	String
setPassword(String)	void
checkLogin(String)	boolean
hashCode()	int
equals(Object)	boolean
toString()	String

Seller	
Seller()	
Seller(String, String)	
Seller(Person)	
shipOrders(Winehouse)	void
addWines(Wine, Integer, Integer, Winehouse)	void
addWines(Wine, Integer, Winehouse)	void

User	
User()	
User(String, String)	
User(Person)	
notifyWineAdded()	void
orderWine(Wine, Winehouse, Integer, Integer)	void
getMyOrders(Winehouse)	ArrayList<Order>
getWineByName(String, Winehouse)	HashMap<Wine, InventoryItem>
getWinesByYear(Integer, Winehouse)	HashMap<Wine, InventoryItem>

Order	
orderer	User
orderedWine	Wine
quantity	Integer
year	Integer
shipped	boolean
Order()	
Order(User, Wine, Integer, Integer, boolean)	
getOrderer()	User
setOrderer(User)	void
getOrderedWine()	Wine
setOrderedWine(Wine)	void
getQuantity()	Integer
setQuantity(Integer)	void
getYear()	Integer
setYear(Integer)	void
isShipped()	boolean
setShipped(boolean)	void

Dashboard	
loggedIn	Person
shop	Winehouse
Dashboard()	
Dashboard(Person, Winehouse)	
mainMenu()	void
AdminDashboard	
AdminDashboard(Seller, Winehouse)	
mainMenu()	void
shipWine()	void
addWine()	void
refillWarehouse()	void
addNewWine()	void
printRequests()	void
printWinehouse()	void
UserDashboard	
UserDashboard(User, Winehouse)	
mainMenu()	void
searchWineByName()	void
orderWine(Wine)	void
searchWineByYear()	void
printAllWines()	void

Wine	
name	String
notes	String
vine	String
Wine()	
Wine(String, String, String)	
getName()	String
setName(String)	void
getNotes()	String
setNotes(String)	void
getVine()	String
setVine(String)	void
equals(Object)	boolean
toString()	String

Request	
requester	User
wineName	String
Request()	
Request(User, String)	
getRequester()	User
setRequester(User)	void
getWineName()	String
setWineName(String)	void
checkIfRequested(String)	boolean

InventoryItem	
year	HashMap<Integer, Integer>
InventoryItem()	
InventoryItem(Integer, Integer)	
InventoryItem(HashMap<Integer, Integer>)	
getQuantityForYear(Integer)	Integer
sumQuantity(Integer, Integer)	boolean
toString()	String

Login	
logIntoWinehouse(String, String, Winehouse)	Dashboard
loginPage(Winehouse)	void

App	
main(String[])	void