

Model objects:

- AuctionBean
- OfferBean
- ProductBean
- UserBean

Data Access objects:

- AuctionDAO
 - createAuction (price, rise, expiry, userID)
 - getAuctions (userID, active, loginTime)
 - getAuctionsByID (userID, loginTime)
 - getWinner (auctionID)
 - getWonAuctions (userID)
 - getAuctionByKeyword (article, userID, loginTime)
 - close (auctionID, userID)
- OfferDAO
 - getOffers (auctionID)
 - addOffer (offer, userID, auctionID, date)
 - getMaxOffer (auctionID)
- ProductDAO
 - addProduct (name, description, price, userID)
 - getUserProducts (userID)
 - update (productid, auctionID)
 - getPrice (productID)
 - checkProduct (productid, userID)
- UserDAO
 - authenticate (username, password)
 - addUser (username, email, city, address, province, password)
 - getUser (userID)
 - getUserByUsername (username)
 - getUserByEmail (email)

Controllers:

- DoAddProduct
- DoClose
- DoCreateAuction
- DoGetImage
- DoLogin
- DoLogout
- DoOffer
- DoSignup

Filters:

- AuthFilter
- OfferFilter
- UnAuthFilter

Views:

- GetBuyPage
- GetDetailsPage
- GetErrorPage
- GetHomePage
- GetLoginPage
- GetOffersPage
- GetSellPage
- GetSignupPage