Interface Requirements	
User Interfaces	We designed the webpage to be purple-based as purple is NYU's color. We designed the button to be yellow and red because light and warm colors are more likely to stimulate purchase.
Hardware Interfaces	We choose HTTP for process transaction requests, and FTP is for uploading product description photos.
Software Interface	We designed the interface for bank account. So each user can do transaction.
Functional Requirements	
All users should be able to register on the system.	Users need to register to leave a record in the database for future transactions and management.
All users should be able to login to the system.	Users need to login to verify his identity for future transactions and management.
Common users should be able to send a request to post an item.	Common users post a request to start an auction and become seller of the transaction.
Common users should be able to view all ongoing auctions and join one of them	Common users join to participate in an auction and become one bidder of the transaction.
Administrators should be able to verify or reject a "post item" requirement.	Administrators need to have the authroity to check each item and confirm its validity before posting it out.
All users should be able to edit his personal profile.	Users need to edit their personal profile to provide identity validation information (e.g. national ID or passport information) and payment information(e.g. credit card number) to be permitted to participate in auctions.
All users should be able to	Users need to browse all items to look for their interest and participate in auctions.

view all the verified items.	
Common users should be able to view all the items he has posted and check the status.	Common users should be able to check his current auctions as a seller.
Common users should be able to view all the items he has bought.	Common users should be able to check his current auctions as a bidder.
All users should be able to search for transactions based on transactionID, seller, user, price .	Administrators need to able to check and manage the transactions using the database.
Non-Functional Requirements	
The product must be able to serve users 24/7 all over the world.	The product must facilitate user to auctions in all situations.
The System will be on a server with high speed Internet capability.	The product must facilitate user to auctions in all situations, and a stable connection is necessary.

The software developed here assumes the use of a tool such as Tomcat for connection between the Web pages and the database.	
The speed of the User's connection will depend on the hardware used rather than characteristics of this system.	
The Manager will run on the editor's PC and will contain an MySQL database. Access is already installed on this computer and is a Windows operating system	A database is needed for information storage of all users.
The requirement to be available globally means that the product must support internationalisation, to be localised for various countries.	To maximize the range of audience that can participate in the auction, internationalisation is required.

Personal information leakage and property damage caused by the customer's personal negligence during the auction process shall be borne by the user personally.	Errors caused by customers' personal negligence cannot be covered by the design of this software.
Information leakage and property damage caused by the logistics company during the auction process shall be borne by the logistics company.	Errors caused by logistics company cannot be covered by the design of this software.
Those under the age of 18 are not allowed to register an account without permission.	This is to prevent minors from unsupervised spendings.
Users are required to verify their identity with the database before they can log in.	This is to prevent personal information leak due to unverified login.

User's payment information and related bank information must not be disclosed in any way. The user's email address must not be disclosed to outside parties. The user's purchase information must not be disclosed to outside parties.	This is to protect the users' privacy.
The relevant staff of the auction house can withdraw an item at any time.	This is to guarantee the normal flow of auction by introducing system administrator as a monitoring force.
Whenever a transaction is completed, the system automatically withdraws the auction house's commission.	This complies to the rules of the auction house.
The software messages (menu command strings, dialog messages, event catalogs, etc.) must be externalized in the form of message catalogs.	
The software must handle file paths, within the context of the monitored application, in the localized format correctly.	This regulates the method of the software handling inputs and outputs.

The software will have to comply with the related legal documents, e.g. the Consumer Rights Act 2015.	This complies to the related laws and regulations concerning auctions.
The software will need to be used as a permanent system that can be used in the long term as a real-time transaction platform.	This guarantees the reusability and amortizes the cost of the project.