Requirements Definition

*Project Whiskers*

1. **Introduction and Context**

This project aims to build a system for running an auction at a school or church activity.

*The auction system will be for managing a live event, not running an online auction like e-bay. It aims to replace paper voting with a mobile phone system so that people can know what they’ve spent so far and will also help tally the results at the end of the night. The system will su**pport both a silent auction and a live auction and be capable of running on a PC (for an administrator) and iOS and Android mobile devices.*

*This application streamlines the unwieldy silent auction process. The administrators will have all of the auction information in one place, and bidders will be able to more easily keep track of their bids while enjoying the event.*

1. **Users and their Goals**

* Admin
  + Registration
    - Register bidders for auction
    - Add items to auction
  + Manage Auctions
    - Start both auction types
    - End silent auctions
    - Enter live item winner
  + See all winners with name, bidding number, items won, total cost
* Bidders
  + Active Bids
    - View items currently bidding on
    - Bid on silent auction item
    - View currently winning items
  + Previous Bids
    - View previously won items

1. **Functional Requirements**

Admin

Start auction (time based ok)

Add items to an auction (setup)

Enter live item winner

Show all winners, with name, bidding number, items won, total cost

End a silent auction (time based ok)

Add bidders to an auction (registration process)

Bidder

Bid on a silent item

List winning (or won) items with total price

List items I'm bidding on

1. **Non-functional Requirements**

* *300 concurrent users*
* *Database will run on a laptop for 24 hours*
* *Save text file containing record of all auctions and winners and bidders who owe money*

1. **Future Features**

1. Display item with description

2. Show item price with history

3. Hold user information / profiles

4. Timer to know when bids expire

5. Notification when outbid

6. Add bids

7. Add items

8. Payment system

9. Browse Items / catalog

10. QR code for items

11. Mobile friendly

12. Kahoot - like live bidding

13. iOS and Android compatible

14. Roles:

* Bidder
* Administrator (putting things in)
* Presenter
* Donation supplier (ad portal)
* Treasurer
* Administrator (live auction entering amounts and who wins) - may be part of presenter

15. Location based

16. Keep track of separate auction instances with history

17. Search Functionality using name, labels, or ID

18. Filter by label and live vs. silent items

19. Sort the items

* Base price
* Current price
* Auction closing time
* Number of bids

20. Admin given ability to remove bidders from auction.

1. **Glossary**

Scrum Lord - Daniel Dickey

Project Whiskers – Project for CS 3450 to create an auction program for school fund raiser auction

Admin – The person or persons running the auction

Bidder – The person or persons in an auction with the ability to make bids on an item