Auction System Requirements

# Functional

* User: Admin can
  + Add items to an auction (setup)
  + Create auction
  + Start auction (time based ok)
  + Enter live item winner
  + Show all winners, with name, bidding number, items won, total cost
  + End a silent action (time based ok)
  + Add bidders to an auction (registration process)
  + Create account
* User: Bidder can
  + Bid on a silent item
  + List winning (or won) items with total price
  + List items I'm bidding on
  + Scan QR code
  + Create account

# Non-Functional

* Site can 300 concurrent users
* Site should be aligned with Material Design specification
* Ability to “anonimize” auction
  + Users can opt to participate under anonymous username
  + Admins can opt to run anonymous auction
* Users cannot view other users’ bid items
* Website should work on mobile and desktop
* User bids should reach admin’s view within 10 seconds of submission
* Monetary units must be represented to two decimal places
* Self-explanatory UI
* Should be able to run from Windows, Mac, or Linux