*How to Navigate*

* (subjective criteria) means that it’s what was read on the description of the project
* (objective criteria) means that it is explicitly what is required.

AIMS (Subjective Criteria)

1. Design, implement, access database using **SQL from PHP code**
2. **Need to populate your database with illustrative data**
3. **Automatically create database and load data.**

DESIGN (Subjective criteria)

1. Translate requirements as you interpret them into **what data should be stored** and **Transactions that the data should support**
2. How data will be modified
3. Who will have access to it
4. ERD – and show it is in third normal form.
5. 85% for capabilities, 15% database design process evidence

DESIGN BRIEF (Objective criteria)

1. Users
   1. Can register with system
   2. Can create accounts
   3. Can have roles of seller, buyer
      1. With different **privileges** 
         1. E.g. Seller cannot bid/buy an item they have listed – in the seller shop
         2. E.g. Buyer cannot sell an item in the buyer shop
2. Sellers
   1. Can create auctions for specific items
   2. Set conditions of items
   3. Set features of items
      1. Description
      2. Categorisation
      3. Starting Price
         1. *Seller cannot change starting price*
         2. *Displayed to buyers*
      4. Reserve Price MISSING
         1. *Google meaning of reserve price!*
         2. *Hidden to buyers*
         3. *Higher / equal (think) to the starting price*
         4. *Can edit reserve price*
         5. *If bid is smaller than reserve price, seller has the right not to sell the items. (outcome)*
         6. *Optional – can be null*
         7. *In database – if buyer doesn’t want a reserve price – the value of reserve price is just the starting price*
      5. End Date
3. Buyers
   1. Search system for items being auctioned
   2. Visually re-arrange listing of items
      1. Filter through Categories
   3. Bid for items
      1. See bids other users make (MISSING – should show the bids on an item via – a box or something – fetchactivelisting and for sellershop (just for hj))
         1. As they are received
   4. Watch auctions on items
      1. Received emailed updates on bids on these items MISSING
      2. Received emailed updates when they are outbid
   5. Receive recommendations for items to bid on
      1. Collaborative filtering MISSING
         1. E.g. – bid on sort of things other people have bid on.
      2. (Personal opinion – Have to think of what is ‘sort of things)
4. System
   1. Manage auction until set end time
      1. Award item to the highest bidder
   2. Confirm to both winner and seller of an auction
      1. Of its outcome.

DELIVERABLES (Objective criteria)

1. Video
   1. Demo of system
   2. 5-8 minutes long
   3. Voice-over narration
   4. Show how **each capability in design brief is achieved in your system.**
   5. **Go through each capability in the ORDER that was listed in the brief**
   6. Show capabilities via 
      1. Interaction with user interface of system **OR**
      2. Execution of queries through a tool like phpMyAdmin.
      3. (OPINION – think we have to show previous database, user interacting with a command, the actual query, and post query database)
   7. Upload to youtube / UCL Media Central
   8. *Examples previous videos are on youtube/media central*
2. Design Report
   1. Contain the URL link to video
   2. PDF
   3. ERD
      1. Assumptions about the processes that use data
   4. Listing of database schema (a list of schemas/tables)
      1. How it translates the ER Diagram (WHAT DOES THIS MEAN , CHECK TOMORROW, DO WE NEED TO HAVE ALL TABLES? [CURRENT ERD SHOWS SOME TABLES NOT ALL])
   5. Show database schema is in third normal form.
   6. A listing and explanation of your database queries. (THINK show queries, show what they mean, show how it prevents sql injection)
3. Source Code
   1. Only source code, no binary data files or database dumps [CHECK WHAT DOES THIS MEAN TMR WITH LAB]
   2. Group number in .zip name.