***Association rules***

***Potential user***

Puser opens homepage and requests previous options

Server returns auction current page without user features

Puser requests previous auctions

Server returns previous auctions minus user features

***User Creates an account***

User open homepage

user selects create account/login

Server returns page for login and closes homepage

Server requests details from user

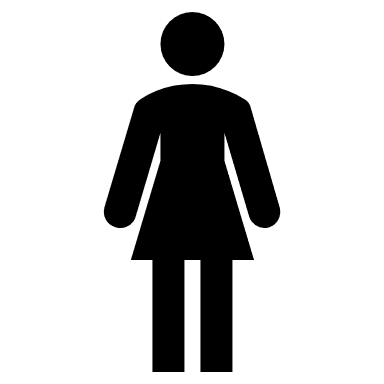
user enters sign up details

server queries details with database if no match is returned user can continue else error is thrown

Server sends confirmation email to user

user confirms off site

user is returned to the site and prompted for login



: Account

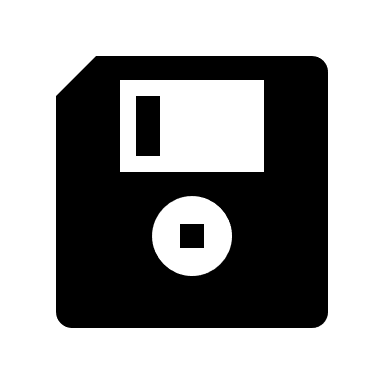
: Create pag/Login page

:Homepage

New User



: User email

 Server

Database

***User logs in in***

User enters homepage and Selects login

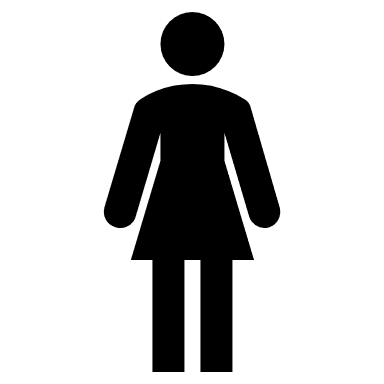
Server returns login/create account page

User enters details

Server queries database with user details and check for a hash match

If match if match is false an error is thrown

Else The server welcomes user and redirects user to account page



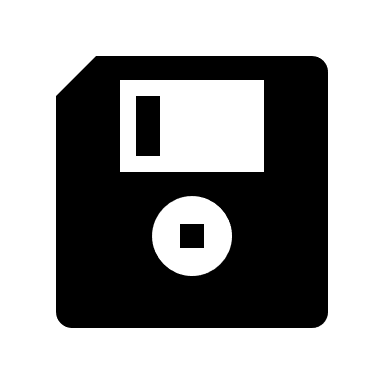
: Account

: Create pag/Login page

:Homepage

New User



 Server

Database

***High level communication for user open page, login and place a bid.***

User selects login option

Home page calls login page

Login closes home page and requests login form user

User enters information

Login sends it to database

Database returns true/false if true with account details

If the query is login requests details until true is returned

When database returns true login calls account page

Login passes database results to the account page along with user

User selects auctions page

Account page calls auctions page and passes on it’s information

User selects item

Auction calls item and passes information

Item calls database for current bids

User places bid

Item sends bid and information to the database

If its higher than the previous bid it’s stored otherwise false is returned

If a false is returned user is warned

Otherwise item is updated and pushed to all active clients

***User selling an Item***

User logins in and selects sell

Server requests details of the item through upload link

User enters details and uploads items

Server stores item in database And calls verifier

Verifier and user work to verify authenticity

If agreed verifier confirms items can be sold

Verifier create the auction on server

Server hosts auction for bidders

Bidder places bid on server

Server updates item on the database

This is repeated till auction is closed

The server contacts the user

User and bidder organise payment and shipping 