|  |
| --- |
| **CS4313** |
| Deliverable 1 |
|  |
| All Database tables |
| List of major processes |
| Flow charts |
| Page Mockups |
|  |
| **David O Neill 0813001** |
| **James McHugh 0052833** |
| **Keiran Duggan 0866504** |
|  |
| **5/3/2010** |
|  |

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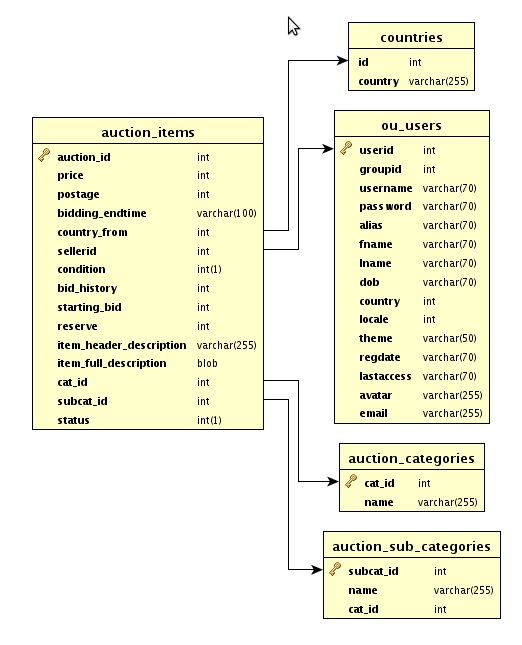
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# Database

## Tables

### Auction items



#### SQL

CREATE TABLE `auction\_items` (

`auction\_id` int(11) NOT NULL AUTO\_INCREMENT,

`price` int(11) NOT NULL,

`postage` int(11) NOT NULL,

`bidding\_endtime` varchar(100) NOT NULL,

`country\_from` int(11) NOT NULL,

`sellerid` int(11) NOT NULL,

`condition` int(1) NOT NULL,

`bid\_history` int(11) NOT NULL,

`starting\_bid` int(11) NOT NULL,

`reserve` int(11) NOT NULL,

`item\_header\_description` varchar(255) NOT NULL,

`item\_full\_description` blob NOT NULL,

`cat\_id` int(11) NOT NULL,

`subcat\_id` int(11) NOT NULL,

`status` int(1) NOT NULL,

PRIMARY KEY (`auction\_id`),

KEY `country\_from` (`country\_from`),

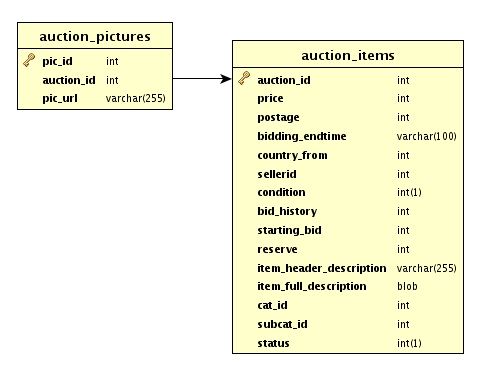
KEY `sellerid` (`sellerid`),

KEY `cat\_id` (`cat\_id`),

KEY `subcat\_id` (`subcat\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Auction pictures



#### SQL

CREATE TABLE `auction\_pictures` (

`pic\_id` int(11) NOT NULL AUTO\_INCREMENT,

`auction\_id` int(11) NOT NULL,

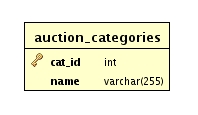
`pic\_url` varchar(255) NOT NULL,

PRIMARY KEY (`pic\_id`),

KEY `auction\_id` (`auction\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Auction categories



#### SQL

CREATE TABLE `auction\_categories` (

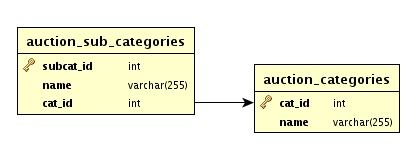
`cat\_id` int(11) NOT NULL AUTO\_INCREMENT,

`name` varchar(255) NOT NULL,

PRIMARY KEY (`cat\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Auction sub categories



#### SQL

CREATE TABLE `auction\_sub\_categories` (

`subcat\_id` int(11) NOT NULL AUTO\_INCREMENT,

`name` varchar(255) NOT NULL,

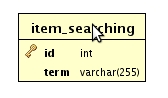
`cat\_id` int(11) NOT NULL,

PRIMARY KEY (`subcat\_id`),

KEY `cat\_id` (`cat\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Item searching



#### SQL

CREATE TABLE `item\_searching` (

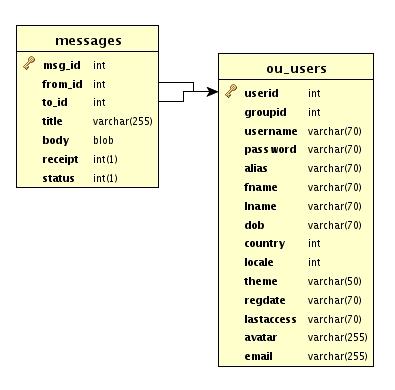
`id` int(11) NOT NULL AUTO\_INCREMENT,

`term` varchar(255) NOT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Messages



#### SQL

CREATE TABLE `messages` (

`msg\_id` int(11) NOT NULL AUTO\_INCREMENT,

`from\_id` int(11) NOT NULL,

`to\_id` int(11) NOT NULL,

`title` varchar(255) NOT NULL,

`body` blob NOT NULL,

`receipt` int(1) NOT NULL,

`status` int(1) NOT NULL,

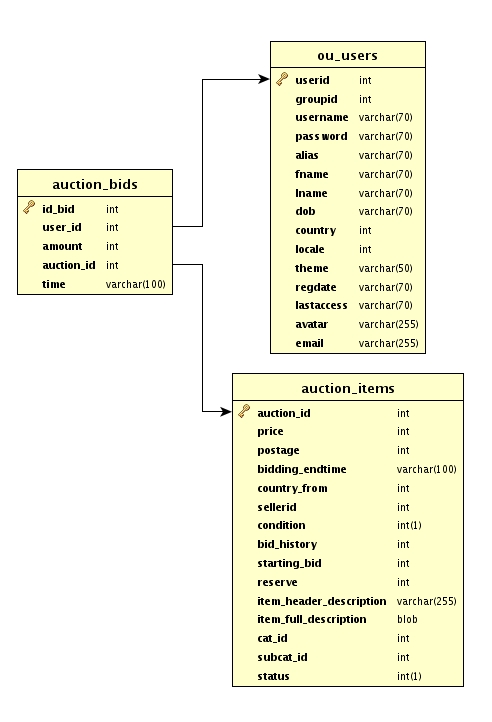
PRIMARY KEY (`msg\_id`),

KEY `from\_id` (`from\_id`),

KEY `to\_id` (`to\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Auction Bids



#### SQL

CREATE TABLE `auction\_bids` (

`id\_bid` int(11) NOT NULL AUTO\_INCREMENT,

`user\_id` int(11) NOT NULL,

`amount` int(11) NOT NULL,

`auction\_id` int(11) NOT NULL,

`time` varchar(100) NOT NULL,

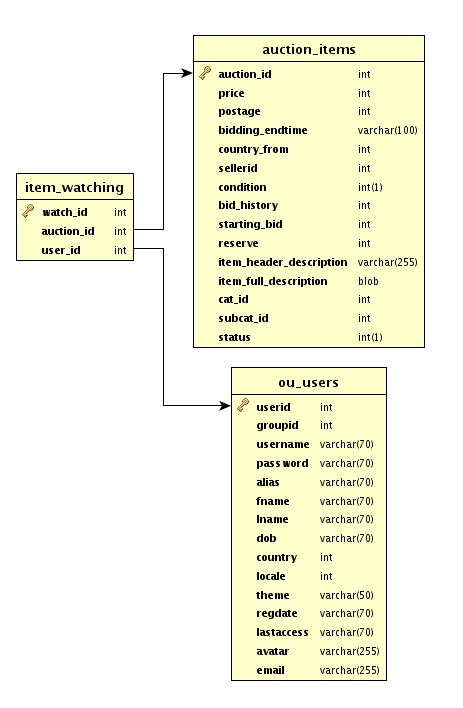
PRIMARY KEY (`id\_bid`),

KEY `auction\_id` (`auction\_id`),

KEY `user\_id` (`user\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Item watching



#### SQL

CREATE TABLE `item\_watching` (

`watch\_id` int(11) NOT NULL AUTO\_INCREMENT,

`auction\_id` int(11) NOT NULL,

`user\_id` int(11) NOT NULL,

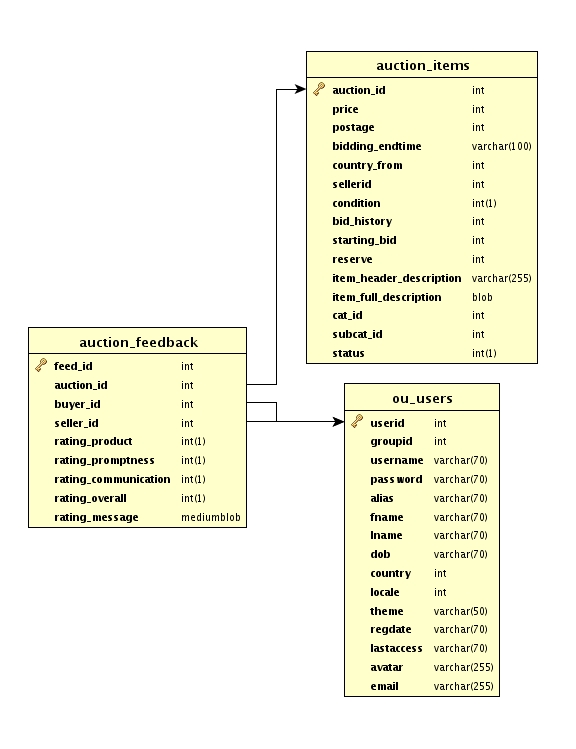
PRIMARY KEY (`watch\_id`),

KEY `auction\_id` (`auction\_id`),

KEY `user\_id` (`user\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Auction feedback



#### SQL

CREATE TABLE `auction\_feedback` (

`feed\_id` int(11) NOT NULL AUTO\_INCREMENT,

`auction\_id` int(11) NOT NULL,

`buyer\_id` int(11) NOT NULL,

`seller\_id` int(11) NOT NULL,

`rating\_product` int(1) NOT NULL,

`rating\_promptness` int(1) NOT NULL,

`rating\_communication` int(1) NOT NULL,

`rating\_overall` int(1) NOT NULL,

`rating\_message` mediumblob NOT NULL,

PRIMARY KEY (`feed\_id`),

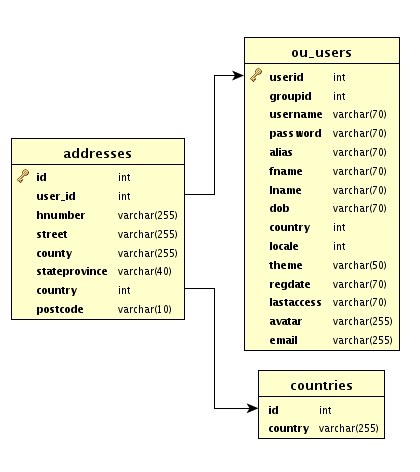
KEY `auction\_id` (`auction\_id`),

KEY `buyer\_id` (`buyer\_id`),

KEY `seller\_id` (`seller\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### Addresses



#### SQL

CREATE TABLE `addresses` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`user\_id` int(11) NOT NULL,

`hnumber` varchar(255) NOT NULL,

`street` varchar(255) NOT NULL,

`county` varchar(255) NOT NULL,

`stateprovince` varchar(40) NOT NULL,

`country` int(11) NOT NULL,

`postcode` varchar(10) NOT NULL,

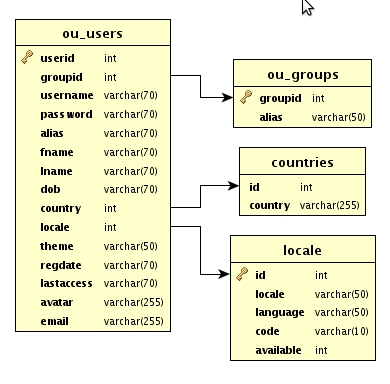
PRIMARY KEY (`id`),

KEY `user\_id` (`user\_id`),

KEY `country` (`country`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=1 ;

### OU users



#### SQL

CREATE TABLE `ou\_users` (

`userid` int(11) NOT NULL AUTO\_INCREMENT,

`groupid` int(11) NOT NULL,

`username` varchar(70) NOT NULL,

`password` varchar(70) NOT NULL,

`alias` varchar(70) NOT NULL,

`fname` varchar(70) NOT NULL,

`lname` varchar(70) NOT NULL,

`dob` varchar(70) NOT NULL,

`country` int(11) NOT NULL,

`locale` int(11) NOT NULL,

`theme` varchar(50) NOT NULL,

`regdate` varchar(70) NOT NULL,

`lastaccess` varchar(70) NOT NULL,

`avatar` varchar(255) NOT NULL,

`email` varchar(255) NOT NULL,

PRIMARY KEY (`userid`),

KEY `groupid` (`groupid`),

KEY `country` (`country`),

KEY `locale` (`locale`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=3 ;

### OU groups



#### SQL

CREATE TABLE `ou\_groups` (

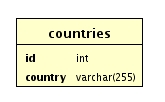
`groupid` int(11) NOT NULL AUTO\_INCREMENT,

`alias` varchar(50) NOT NULL,

PRIMARY KEY (`groupid`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=7 ;

### Countries



#### SQL

CREATE TABLE `countries` (

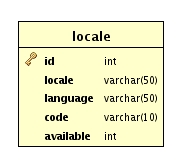
`id` int(11) NOT NULL,

`country` varchar(255) NOT NULL,

KEY `id` (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1;

### Locale



#### SQL

CREATE TABLE `locale` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`locale` varchar(50) NOT NULL,

`language` varchar(50) NOT NULL,

`code` varchar(10) NOT NULL,

`available` int(11) NOT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO\_INCREMENT=93 ;

## Referential Integrity Constraints

### SQL

ALTER TABLE `addresses`

ADD CONSTRAINT `addresses\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `ou\_users` (`userid`),

ADD CONSTRAINT `addresses\_ibfk\_2` FOREIGN KEY (`country`) REFERENCES `countries` (`id`);

ALTER TABLE `auction\_bids`

ADD CONSTRAINT `auction\_bids\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `ou\_users` (`userid`),

ADD CONSTRAINT `auction\_bids\_ibfk\_2` FOREIGN KEY (`auction\_id`) REFERENCES `auction\_items` (`auction\_id`);

ALTER TABLE `auction\_feedback`

ADD CONSTRAINT `auction\_feedback\_ibfk\_1` FOREIGN KEY (`auction\_id`) REFERENCES `auction\_items` (`auction\_id`),

ADD CONSTRAINT `auction\_feedback\_ibfk\_2` FOREIGN KEY (`buyer\_id`) REFERENCES `ou\_users` (`userid`),

ADD CONSTRAINT `auction\_feedback\_ibfk\_3` FOREIGN KEY (`seller\_id`) REFERENCES `ou\_users` (`userid`);

ALTER TABLE `auction\_items`

ADD CONSTRAINT `auction\_items\_ibfk\_1` FOREIGN KEY (`country\_from`) REFERENCES `countries` (`id`),

ADD CONSTRAINT `auction\_items\_ibfk\_2` FOREIGN KEY (`sellerid`) REFERENCES `ou\_users` (`userid`),

ADD CONSTRAINT `auction\_items\_ibfk\_3` FOREIGN KEY (`cat\_id`) REFERENCES `auction\_categories` (`cat\_id`),

ADD CONSTRAINT `auction\_items\_ibfk\_4` FOREIGN KEY (`subcat\_id`) REFERENCES `auction\_sub\_categories` (`subcat\_id`);

ALTER TABLE `auction\_pictures`

ADD CONSTRAINT `auction\_pictures\_ibfk\_1` FOREIGN KEY (`auction\_id`) REFERENCES `auction\_items` (`auction\_id`);

ALTER TABLE `auction\_sub\_categories`

ADD CONSTRAINT `auction\_sub\_categories\_ibfk\_1` FOREIGN KEY (`cat\_id`) REFERENCES `auction\_categories` (`cat\_id`);

ALTER TABLE `item\_watching`

ADD CONSTRAINT `item\_watching\_ibfk\_1` FOREIGN KEY (`auction\_id`) REFERENCES `auction\_items` (`auction\_id`),

ADD CONSTRAINT `item\_watching\_ibfk\_2` FOREIGN KEY (`user\_id`) REFERENCES `ou\_users` (`userid`);

ALTER TABLE `messages`

ADD CONSTRAINT `messages\_ibfk\_1` FOREIGN KEY (`from\_id`) REFERENCES `ou\_users` (`userid`),

ADD CONSTRAINT `messages\_ibfk\_2` FOREIGN KEY (`to\_id`) REFERENCES `ou\_users` (`userid`);

ALTER TABLE `ou\_users`

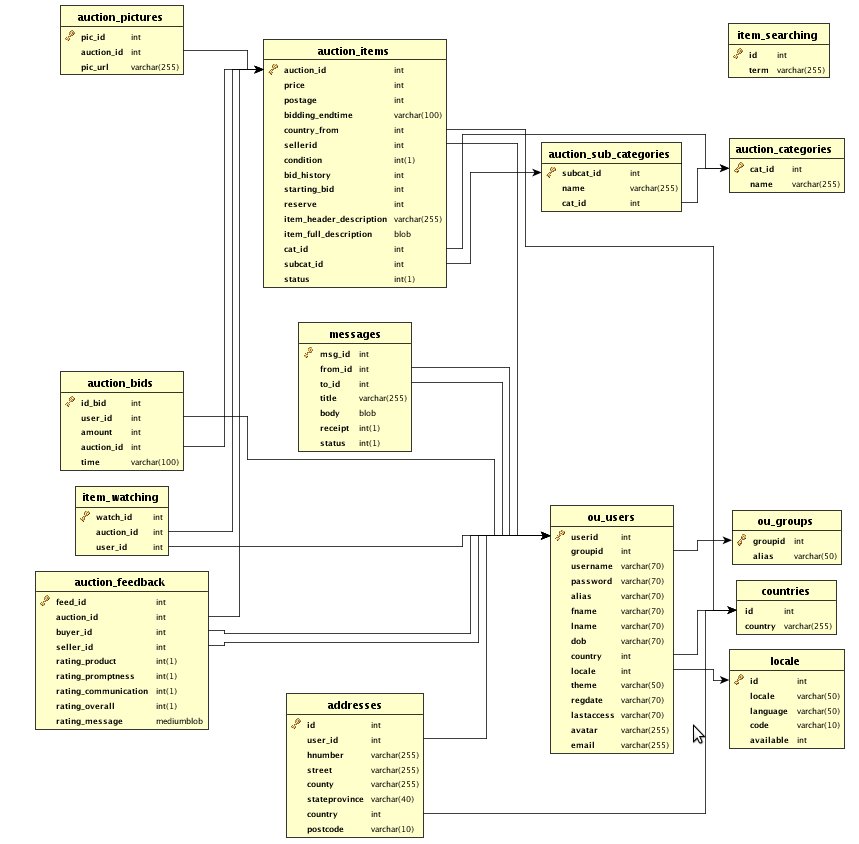
ADD CONSTRAINT `ou\_users\_ibfk\_1` FOREIGN KEY (`groupid`) REFERENCES `ou\_groups` (`groupid`),

ADD CONSTRAINT `ou\_users\_ibfk\_2` FOREIGN KEY (`country`) REFERENCES `countries` (`id`),

ADD CONSTRAINT `ou\_users\_ibfk\_3` FOREIGN KEY (`locale`) REFERENCES `locale` (`id`);

## Overview

### Relations Overview



# Major Processes

## User

### Registration

### Update Registration

### Login

### Logout

### Forgot Password

### Submit Auction Item

### Update Auction Item

### Bidding

### Searching

### Feedback

### Watch Item

## Administrator

### Delete Users

### Edit Users

### Delete Users

### Ban Users

### Add Auction Categories

### Update Auction Categories

### Deleting Categories

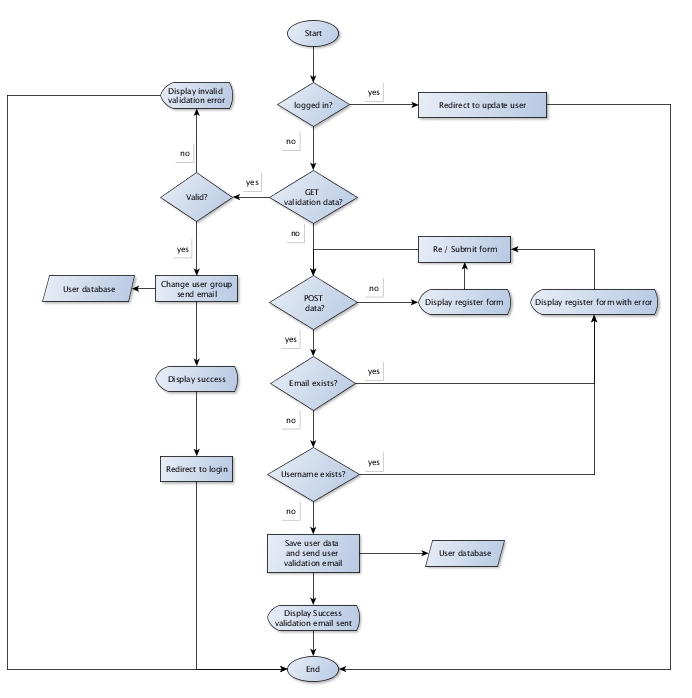
### Update Auction Items

### Remove Auction Items

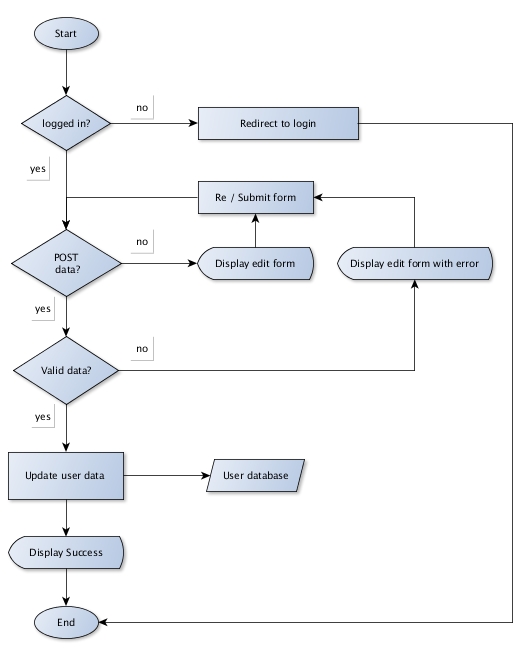
# Flow Graphs

## User

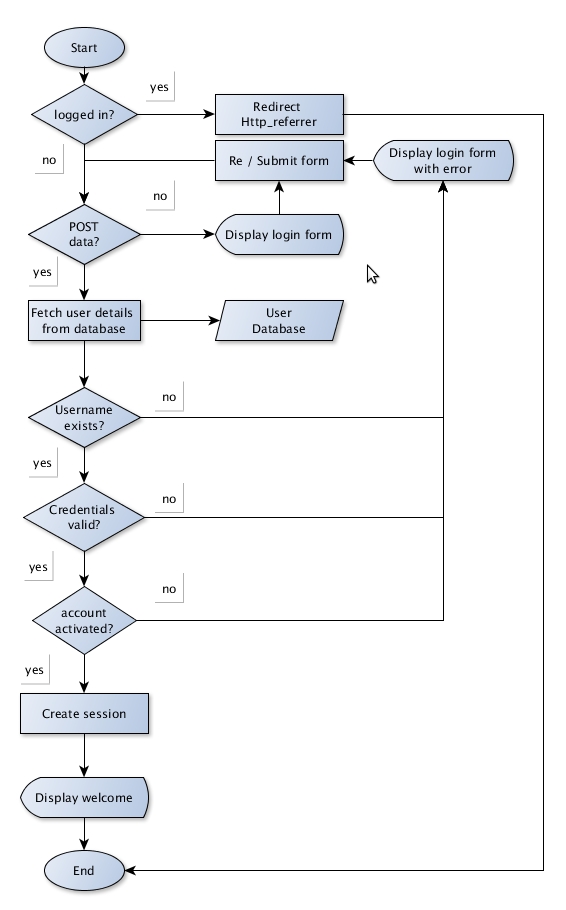
### Registration



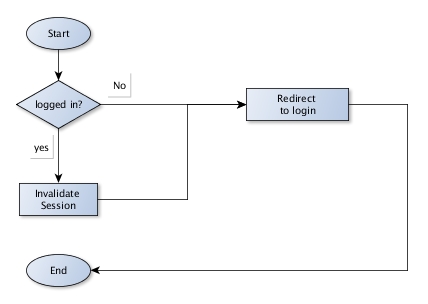
### Update Registration



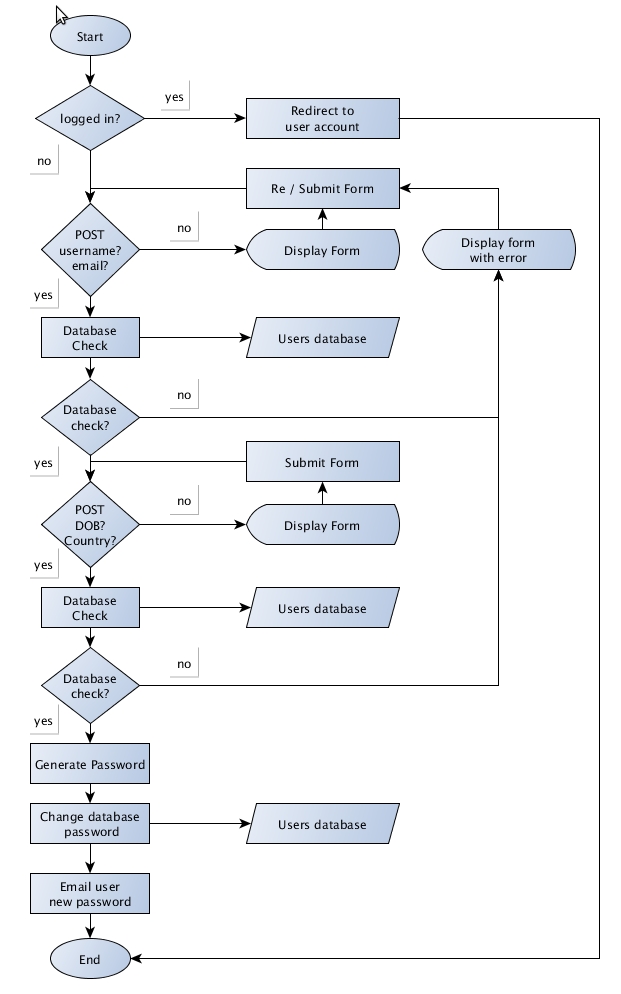
### Login



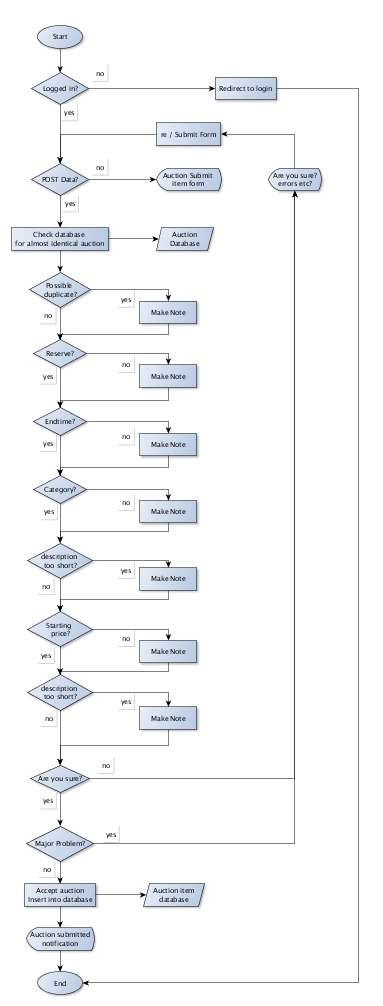
### Logout



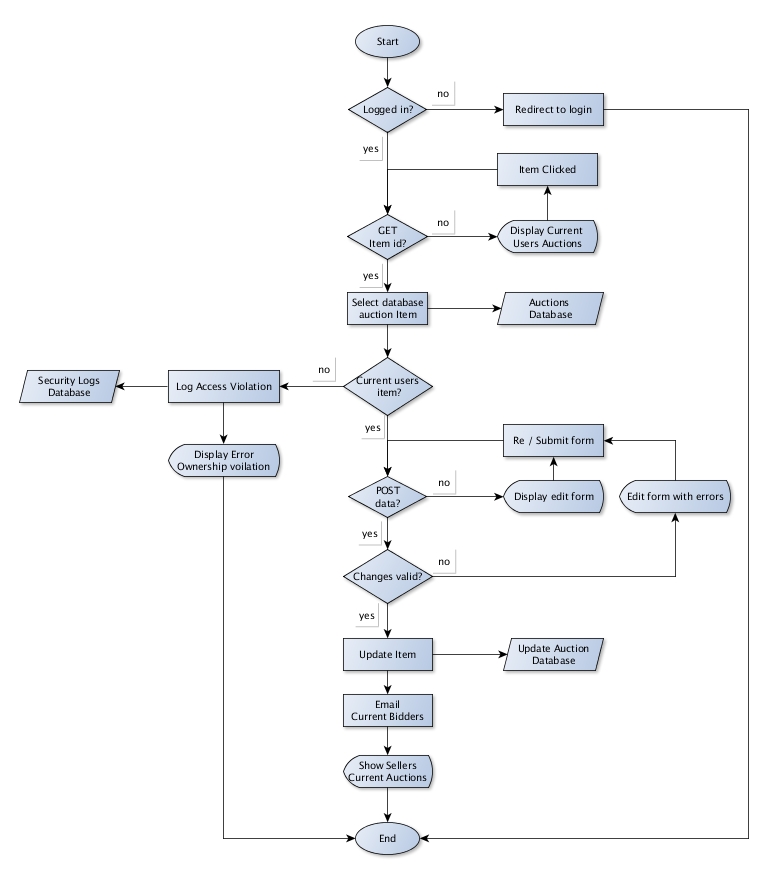
### Forgot Password



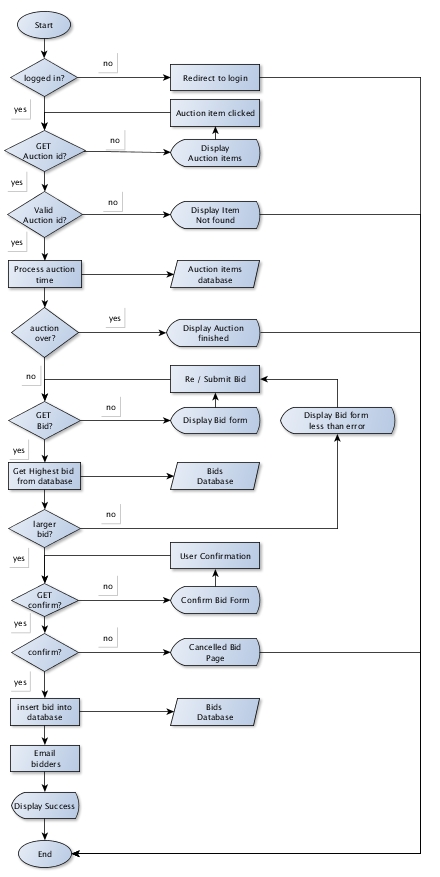
### Submit Auction Item



### Update Auction Item



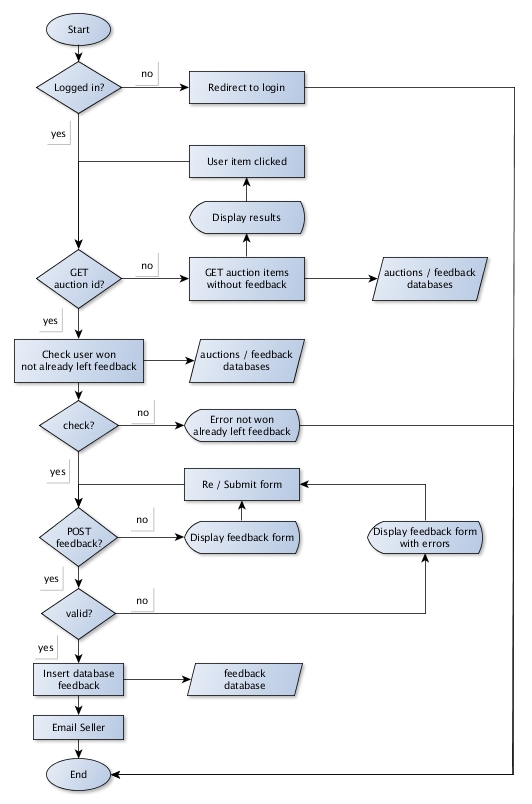
### Bidding



### Searching

### C:\Documents and Settings\Administrator\Desktop\graphs\flows\search.jpg

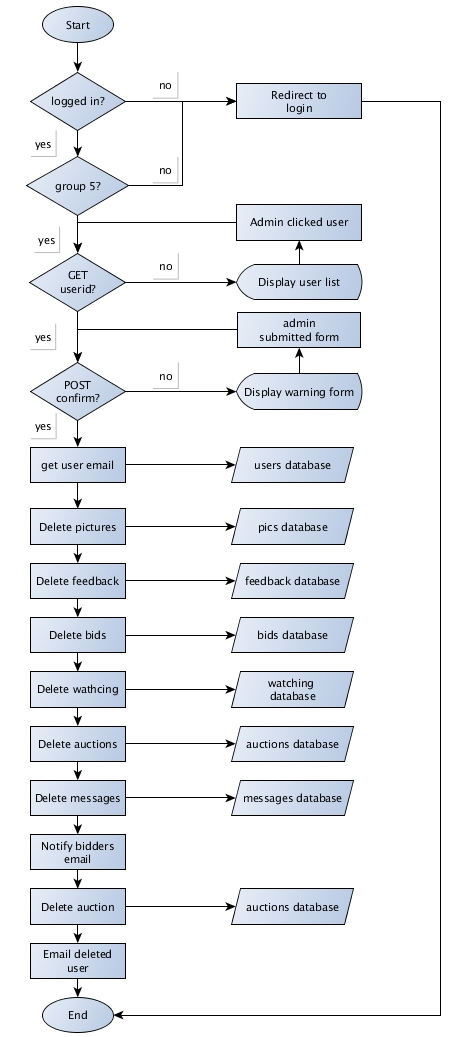
### Feedback



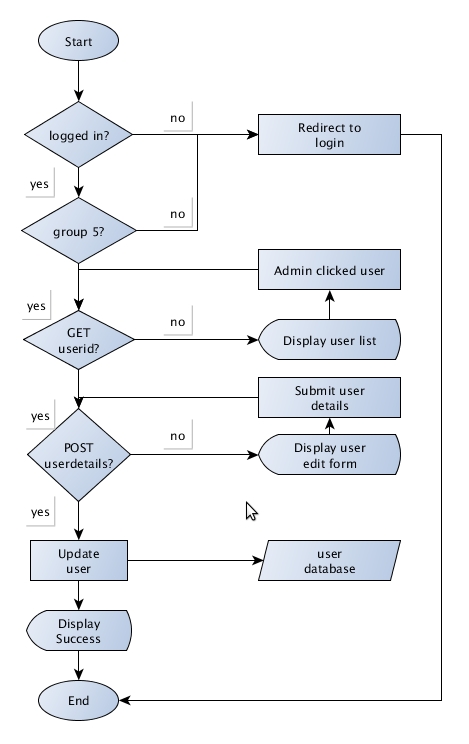
### Watch Item

## Administrator

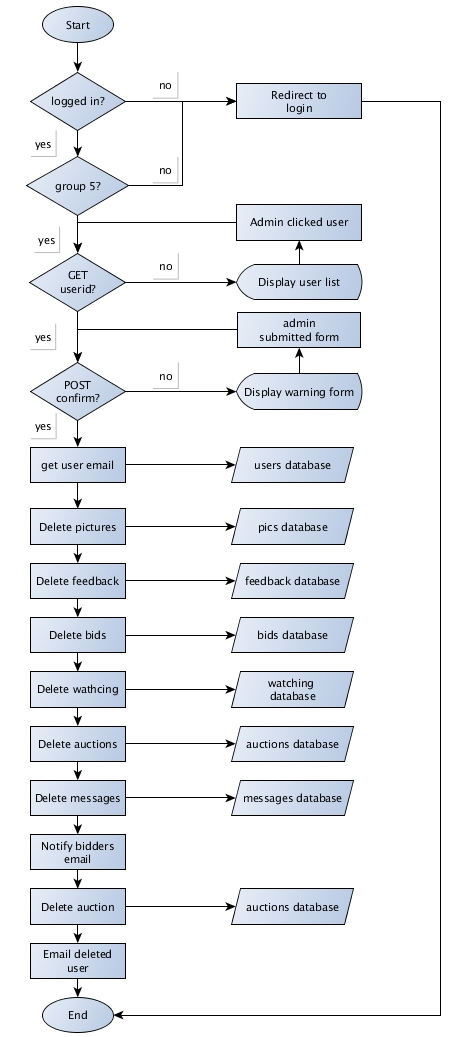
### Delete Users



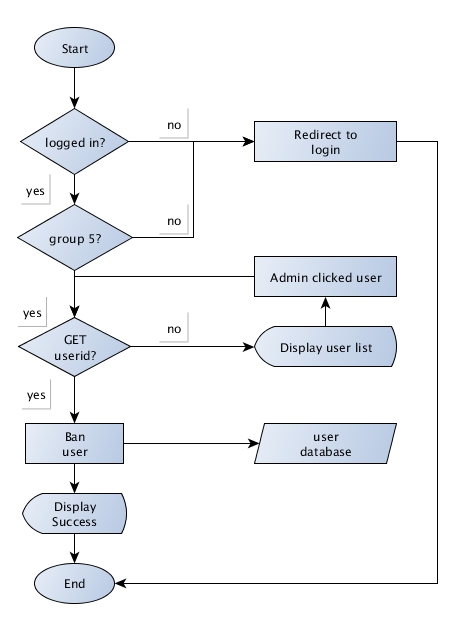
### Edit Users



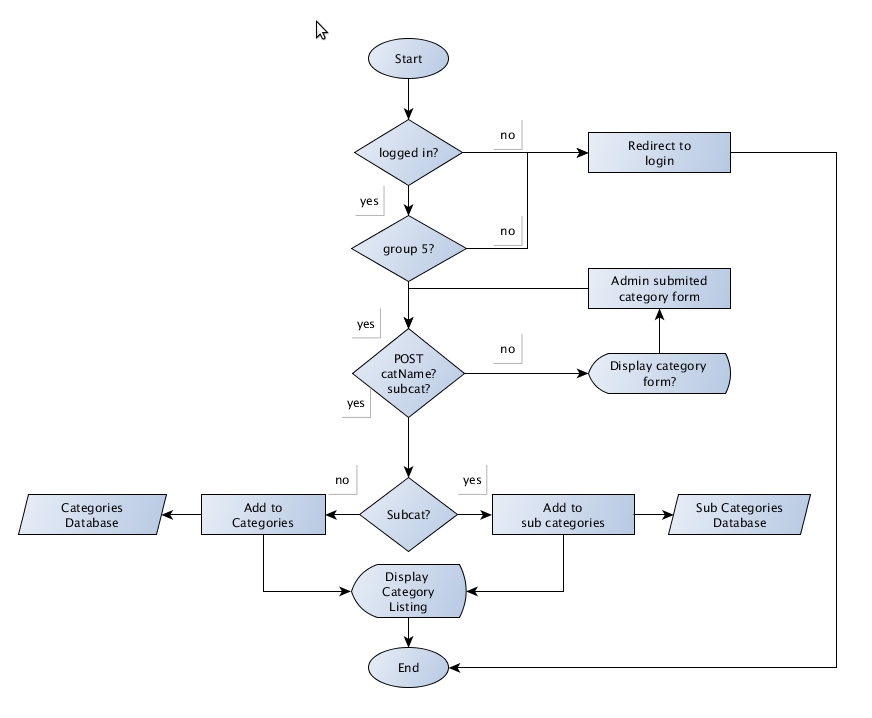
### Delete Users



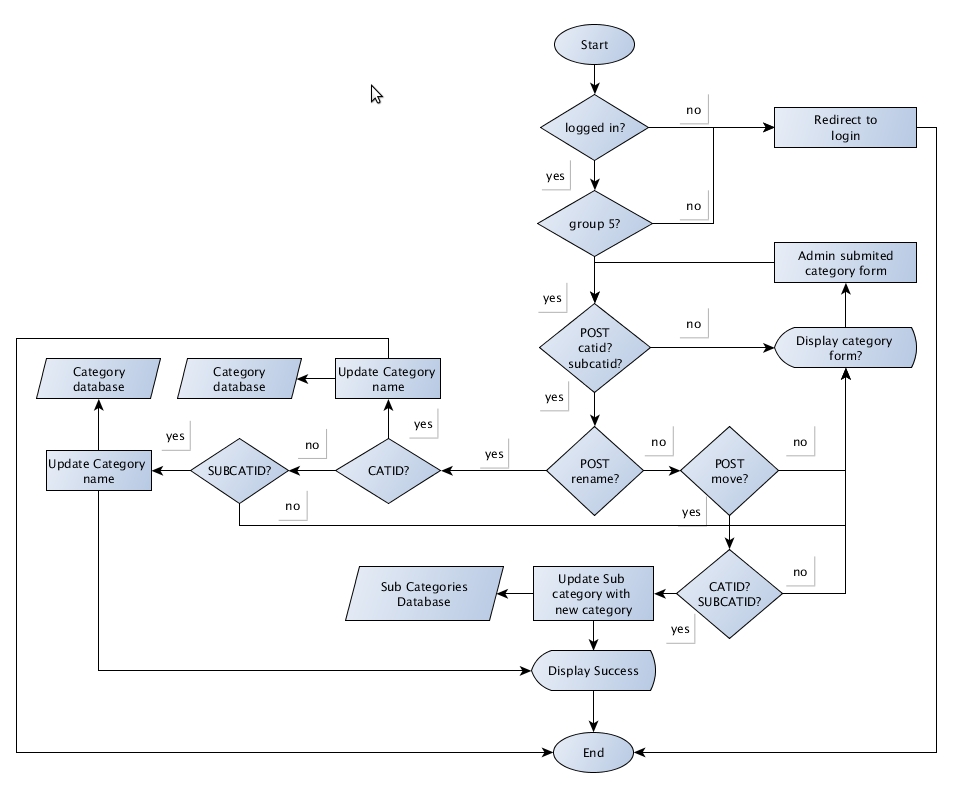
### Ban Users



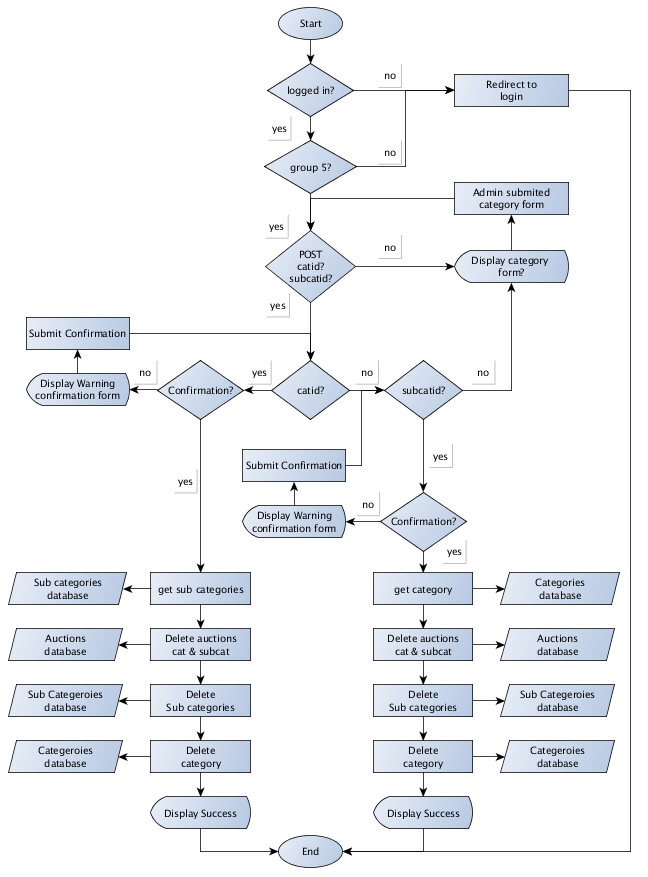
### Add Auction Categories



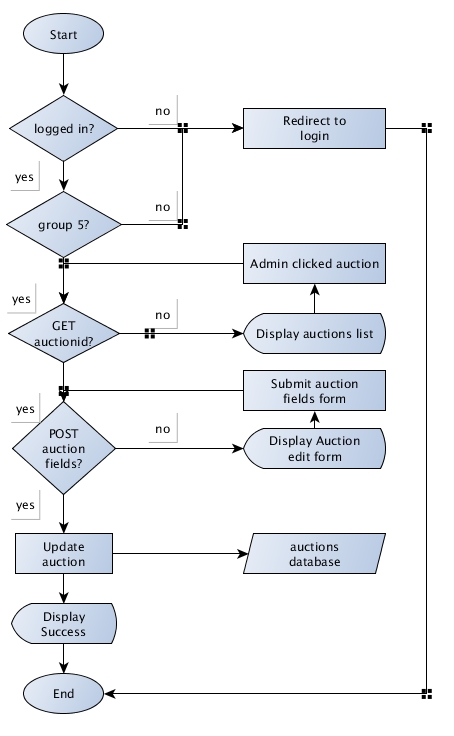
### Update Auction Categories



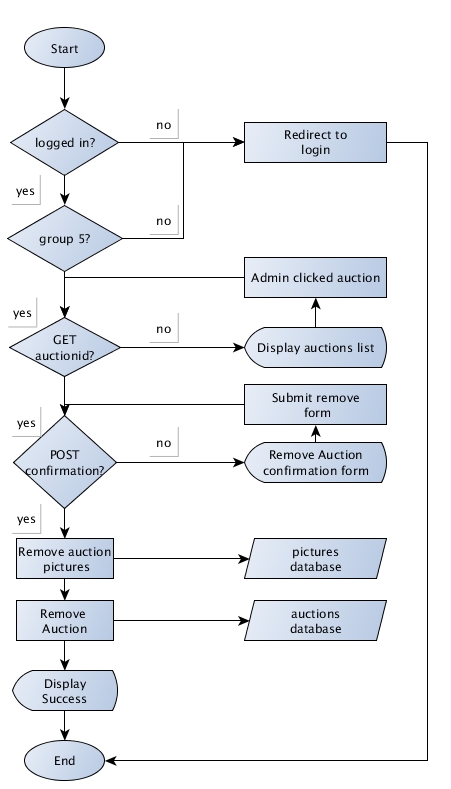
### Deleting Categories



### Update Auction Items



### Remove Auction Items



# Page Mockup

## Main page



## Registration



## Browsing Auctions

# C:\Documents and Settings\Administrator\Desktop\list.jpg