**Auction System**

Table Contents:

1. Problem Statement

2. Functional Specification

3. Technical Description

1. Problem Statement

"Get It Easy" is an online auction application aimed at taking the auction to the finger tips of aspiring bidders there by opening up the doors of the "OPEN Auction House' to a wider cross section of Art Lovers and Antique Collectors. This application also acts as an open forum where buyers and sellers can come together and exchange their products. The application makes sure that the sellers get a fair deal and buyers get a genuine product.

1. Function Sepcification:

* Home Page - There is a menu at the top of the page which links to various inner pages.
* Login/User Registration - Those who wish to take part in bidding or sell products at the site have to register at the site as seller or buyer.
* Register Products - This module is for presenting items for bidding. Only those who have registered and authenticated as sellers can place their articles for bidding. The Module collects information like Product Name, Product Details, Starting Bid amount, Closing date etc.
* Bidding Module - The module is for bidding on any selected item. The bidder has to authenticate before participating in bidding. The system checks whether the incremental amount entered by the bidder is equal or more than the incremental minimum set during the product registration time. The system places the record in the bid history against the bidder account.
* My Auction - This page is an interface for both buyer and seller. Buyer can see the profile of the bidding history of items which are still open on which he/she has already bided. Similarly the seller can see the progress of bidding on articles he/she has placed for bidding.
* Admin - Here the administrator can add product categories and can edit product information like closing date. Also there is an option for administering the closed bids. This module is for contacting the bidder and seller by email instructing them to settle the transaction within a time frame.

1. Technical Specifications:

Main Menu:

1. Admin
2. Buyer
3. Seller
4. Exit

Admin Menu:

* 1. Login
  2. Manage Seller

1.2.1) Block

1.2.2) List seller details (list by seller\_id)

* 1. Manager Buyer

1.3.1) Block

1.3.2) List buyer details

* 1. Manage Products

1.4.1) Add product

1.4.2) Remove

1.4.3) Modify details of product

* 1. Exit

• Load data in a linked list to store all details and later write in a file, make appropriate use of data structures and file handling.

• Date validation:

Check while entering details (e.g.: email id must contain @, phone number length must be 10, pan number should be unique, digits are not allowed in the name field)