Online Auction House

Sprint Implementation-1

Project Timeline: 24.8.2022 to 30.8.2022

INDEX

Document Control :

Project Revision History

Date	Version	Author	Brief Description of Changes	Approver Signature
30.08.2022	1.0	Group 2		

1. Introduction: -

The introduction of the software requirement specification provides an overview of the entire Software. The entire SRS with overview description purpose, scope, tools used and basic description. The aim of this document is to gather, analyze and give an in-depth insight into the **Online Auction House** by defining the problem statement in detail. The detailed requirements of the Online Auction House are provided in this document.

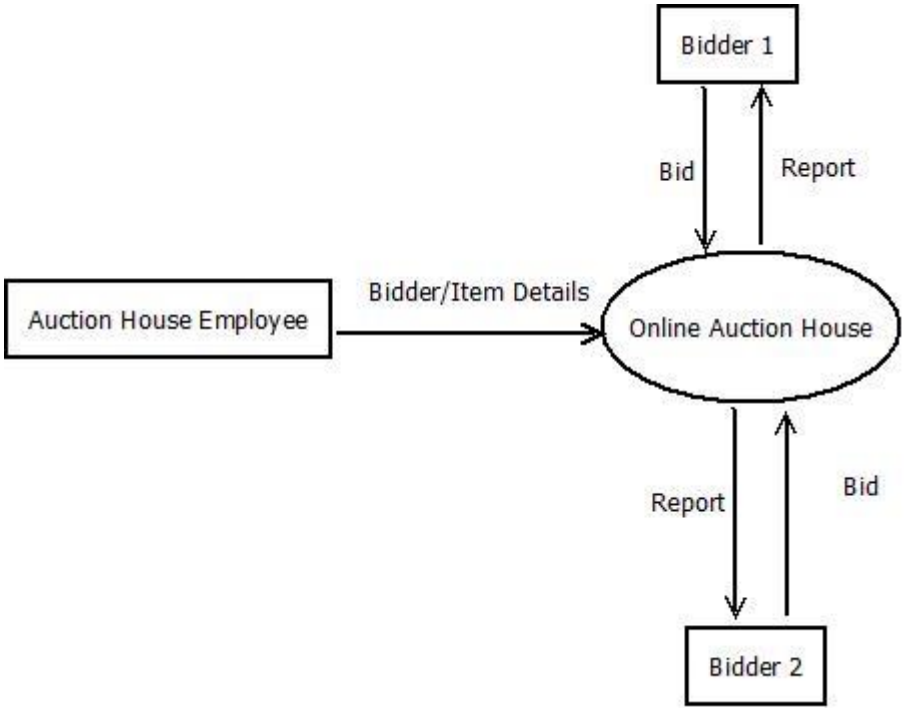
1.1 Scope: -This project aims to development of an online system of Auction House is to assist any organization to keep records of every bidding done by the bidder with respect to date and can retrieve all the information in a more robust and efficient manner and it also gives the bidding report which contain the higher bid of the respective items available on that day.

1.2 Purpose: **-**The purpose of this document is to describe the requirements to track all information related to Bidder Data(add bidder, edit bidder, delete bidder ,return back to main), Item Maintenance (add item, edit item, delete item), Display items to be auctioned for the week, Auction Day, Display Bidding Report. The main purpose of Online Auction House is to display bidding report.

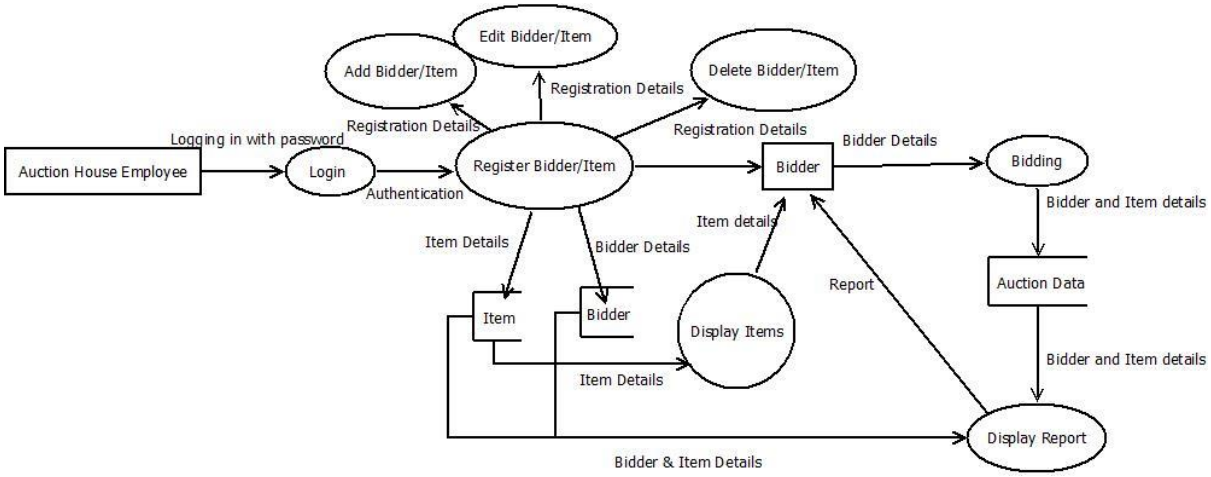
1.3 Intended Audience: -This document is intended to be read by, client.

Design Overview

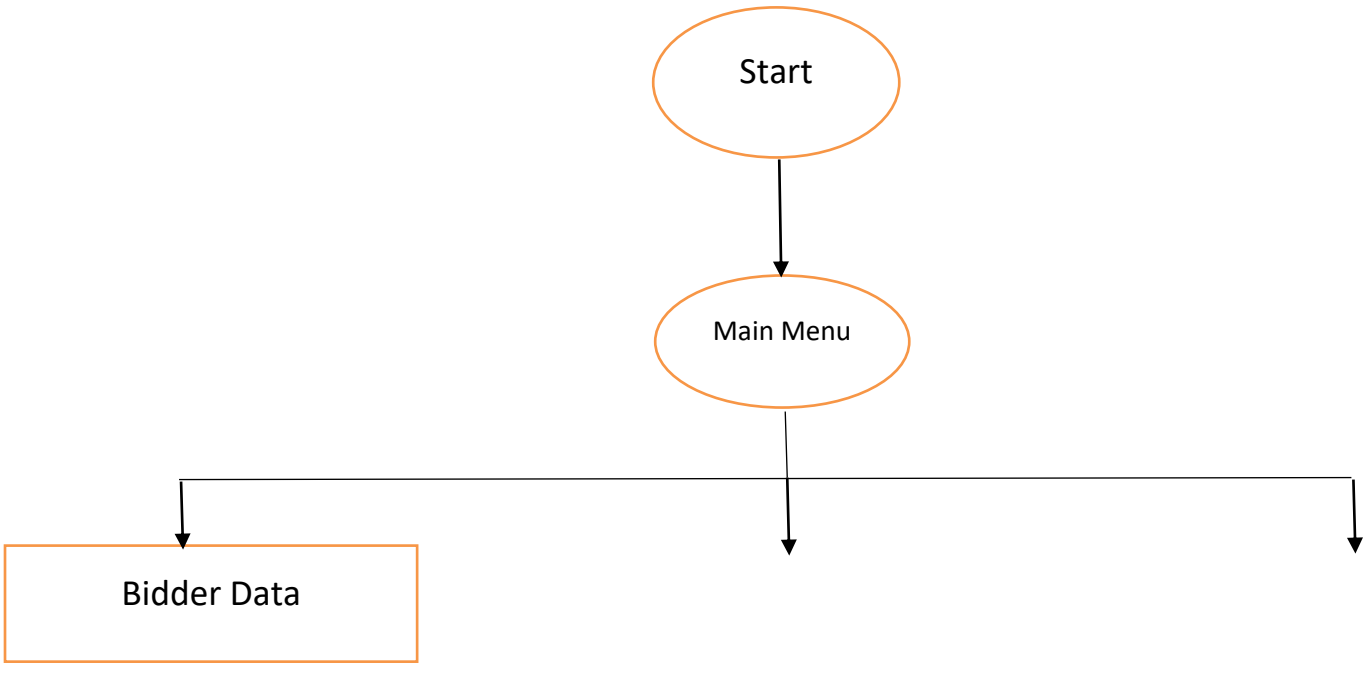
- **Context Analysis Diagram (DFD Level 0 Diagram)**

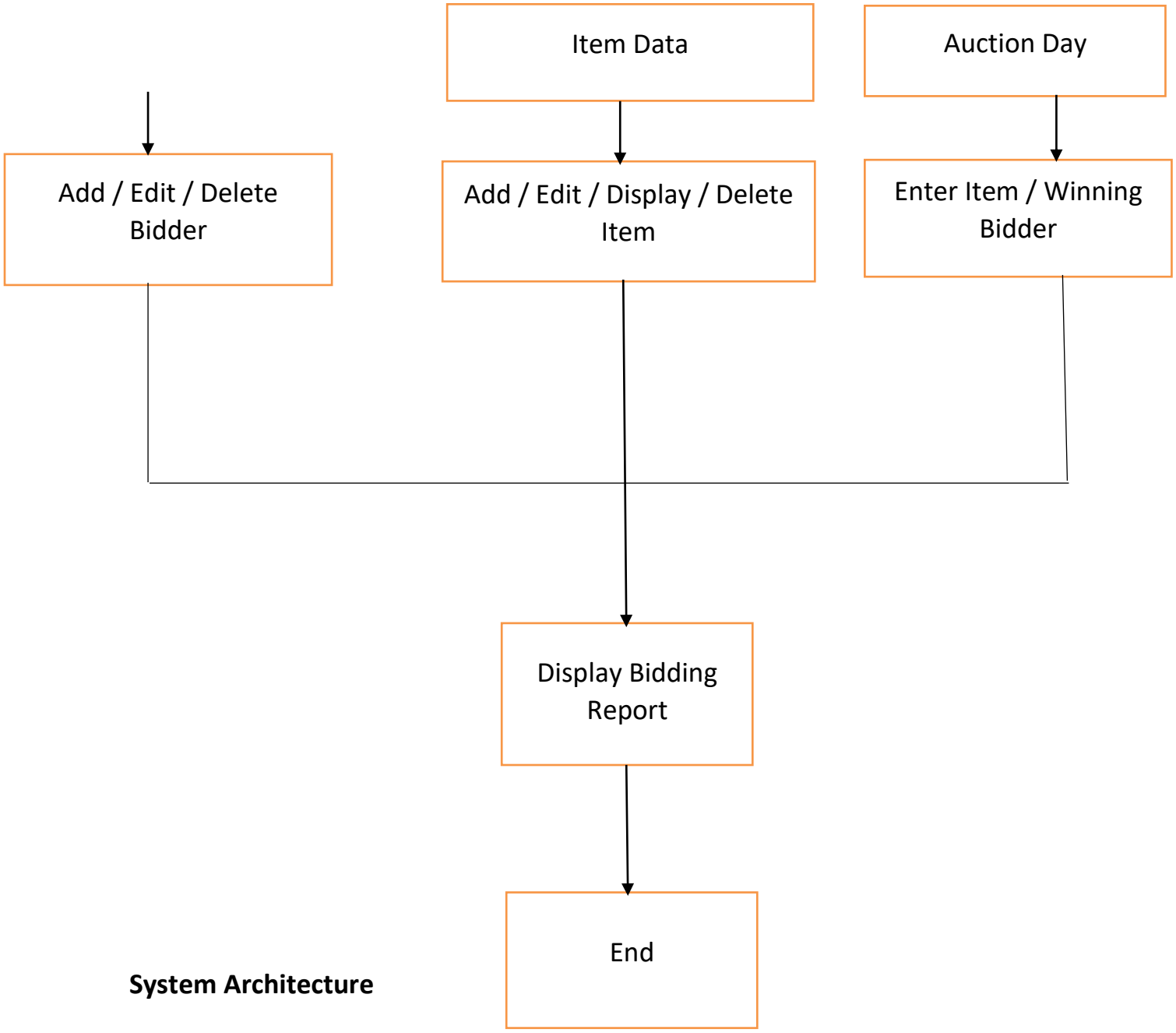


- **(DFD Level 1 Diagram)**



- **Flow Diagram**





System Architecture

Functions and Structures details:

1. Bidder structure

- In this Bidder Structure the add feature adds the bidder record to the file. It asks for bidder_id, bidder_name, pan_number whose record is to be created.
- The edit feature allows the user to edit on the new bidder_name, new pan_number, whose record to be edited.
- The view feature will allow the user to view the records.

- The delete feature deletes the bidder record from the file. For this the user needs to provide the bidder_id to be deleted from the bidder record.
- Upon successful operations on the bidder record the online auction website will return to main menu.

Bidder ID

Bidder Name

Pan No.

Deposit Status

Security Status

2. Item Structure

- On every Saturday and Sunday the online auction house goes for a auction. The only registered Bidders are allowed to bid for different items.
- During this time a bidder is allowed to bid for maximum two items and for each bid he can bid maximum three times.
- If a bidder acquires one item, he is not allowed to bid again for that week. If a bidder wins both his bids then as a bonus he is allowed to bid for a third item.
- Sometimes multiple items of similar types go under hammer .in that case since the items has the same item code.
- In advance a list of items to be auctioned for the week is displayed on the website.
- Base item price depends on bidder.

Item Code

Item Name

Item Base price

3. Auction Day Structure

- The bidder bids an item ,once bidding starts the item_code and base price is displayed on screen .
- On Auction day items should be done one by one orderly.

- The three bidder_ids bids an item with respective bidding amount.
- The highest bidder wins the bid and the details of bidder file.

Highest Bidding Amount

Winning Bidder

Bidder ID

Net Payable Amount

Password function()

- **Environment Description: -**

  Time Zone Support: - IST- Kolkata

  Language Support: - English

  - **User Desktop Requirements: -**

- 64-bit processor, 1 GHz or faster
- At least 10 GB free hard drive space
- At least 1 GB RAM **Server**

  - **-Side Requirements: -**
- 64-bit processor, 1 GHz or faster
- At least 2 GB free hard drive space
- At least 1GB RAM

- Deployment Considerations: -
- Local storage is used
- No network latency to consider
- To scale buy a bigger CPU, more memory, larger hard drive, or additional hardware

- Application Server Disk Space: -

No such disk space is required as the program is fully functional on online IDE(s) as well. Local Operating System is required and two txt file to store the records of processes.

- Database Server Disk Space: -

No such disk space is required as the program is fully functional on online IDE(s) as well. Local Operating System is required and two txt file to store the records of processes.

- . Integration Requirements: -

Language: - C
Tools: - Valgrind, Makefile ,Cunit,gprof,splint,gcov
Complier: - gcc
Linux Environment

- . Network: - End to End

- **Configuration: -**

- Operating System: - Linux environment