Bid and Hammer

Pricing Research – Web Application

**Business Requirement document**

Rev 0

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# Table of Contents:

Table of Contents: 2

Revision History 3

Scope: 3

Definitions: 3

References: 3

Reviewers: 3

Introduction 4

Functionalities 4

Category Master 4

Artist Master 4

Medium Master 4

Data migration 4

User interface to enter data 5

Approval workflow 5

Pricing Research page 5

User management 6

Security 6

Technology 6

Mobile Friendly 6

Basic Reports and Charts 6

# Revision History

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| --- | --- | --- | --- | --- | --- | --- |
| **Revision** | **Date** | **SW Release #** | **Subsystems Affected** | **Sections Changed** | **Summary/Description of Change** | **Author(s) of Change** |
| 0 | Jan/16 | 1 | All | All | First Release | Johnlee/Lawrence |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# Scope:

This document describes the proposed solution to develop a Pricing Research software.

# Definitions:

The following table defines acronyms and terms used in this SDD that are specific to the application described.

|  |  |
| --- | --- |
| **Term or Acronym** | **Definition** |
|  |  |
|  |  |

# References:

The following table lists other specifications, documents, and work-products associated with the Software Modules that may be referenced in this document:

|  |  |  |
| --- | --- | --- |
| **Document** | **Revision** | **Location** |
| Software Requirement document | 0 |  |
|  |  |  |

# Reviewers:

**Required Reviewers**

1. Ankush Dadha

# Introduction

The Pricing Research application will be used to estimate the price (worth) of an art exhibited at an auction. This application depends on historic art sale data and calculates the price based on the given filter criteria.

# Functionalities

CategoriesController

CategoriesModel

CategoriesRepository

Category Master

1. Ability to define different categories for the product on sale/auction.

Example:

Art Book, Paintings, Carpets, WOA/ Silver/Jewellery etc.

1. Ability to define input parameters for each category. This setting would specify the fields in User interface to enter data to record data for each category.

Example:

Dimensions of art. Length, breadth, height, weight, diameter, number of images, other category specific details etc.

ArtistController

ArtistModel

ArtistRepository

Artist Master

Ability to capture and maintain basic details about different artists.

Example:

Artist Name, Year of Birth-Year of Death etc.

Medium Master

Ability to specify various mediums of creating art

Example:

Oil on canvas, Oil on board, Drawing, Sketch, Water color, Metal, silver etc.

Data migration

We will provide support to migrate the existing data into the application’s data. This will be a onetime activity.

Data should be in a standard template format like the one attached below.



User interface to enter data

A dynamically generated GUI will be provided to enter details of sales made by different artists.

-Select Artist

-Select Category

-Select Medium of art

-Option to enter tags/keywords for the art. Example: Horse, Figurine, Animals, Landscape, Face, Nude etc.

-Enter other details like below:

B&H Sl. No, Auction House / Gallery or Dealer (and if gallery or dealer mention it), Website (if not available put the address/Source of Info i.e. catalogue, website, atg, B&H Lib Cat No etc), Date of Auction, Auction/Sale/Exhibition Name/Title, Lot No., Subject/Title, Signature/ Date/ Year, Size (In), Weight (Gms), Area, Reserve Price (INR), Lower Estimate (INR), Higher Estimate (INR), Sale/Hammer Price (INR), SIR (Area divided by Sale Price\*), Provenance, Condition, Compare/ Reference, Detailed Description, Export regulations, Main Image, Additional image 1, Additional image 2, Additional image 3, Remarks, Consignor Name, Consignor Location, Date Received by B&H, B&H Storage Location, Name of Person at B&H who received it, Date Dispatched by B&H (Mention to Buyer or back to Seller), Entered by (Automatic), Entry Date & Time (Automatic)

Approval workflow

Data entered by the ‘Data Entry’ user will be available to the ‘Admin’ user for primary approval.

Data approved by the ‘Admin’ User will be available to ‘Super Admin’ user for final approval.

Approval/rejection reasons and change logs will be maintained.

Pricing Research page

This is the main page where the options related to carry out the pricing research for an art will be available. Various filters will be available to filter the work of an artist and calculate the pricing.

A typical example of available filter would be

Artist, Medium, Year of listing (range), Lot no, Measurements Range, Min and max price range, Signed, Selling Price, SIR (Range), Select tags/keywords etc.

-SIR (square inch rate)/Final weighted average will be calculated on applying the filters.

-Option to unselect one or more sale data to manipulate the final weighted average value will be available.

-Measurements will be automatically converted to the desired unit.

-Option to convert the pricing into different currencies will be available.

-The pricing research results will be in a printable format.

A sample format



User management

Option to create and manage application user accounts.

Following user roles will be available.

-Processor

-Admin

-Super Admin

A role based access to the application functionalities will be available to the users.

Security

User login details will be captured and stored in application database.

This information will be available in a log format with filters.

-Option to define applications acceptable IP address series.

-Accept all

-Deny all except the IP exception list

Technology

Pricing Research application will be developed in the form of a web application which can be accessed using a web browser. A relational database MySQL/MS SQL will be used as a backend to store the data.

The application will be hosted on a web server. IIS or nGinx

Mobile Friendly

Application will have a mobile friendly user interface which will adjust the contents/objects on different devices like desktop, tablet or a cellphone automatically.

Basic Reports and Charts

Basic report and charts related with the data analysis will be available.