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CLIENT DEALER WEB APPLICATION PORTAL

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Abstract

Sales force is a cloud computing service as a software (SaaS) company that specializes in customer relationship relation management (CRM). Salesforce's services allow business to use cloud technology to better connect with customers to use cloud technology to better connect with customers, partners and potential customers. Salesforce impressed investors recently by crushing third quarter estimates, reporting a third quarter revenue of $4,5 billion – up 33% year over year. As of 2017, Salesforce reportedly had 150,000 companies using their software – among which include Amazon (AMZN) – Get report, Adidas (ADDYY) , ADP (ADP) – get Report , American Express (AXP) – get Report and many , many more. Now a day's internet has become sophisticated which made the data storage ease, previously we use to store the data in floppy, disk or a cd and it was really hard to find the data once lost. Now, through cloud computing platform it's pretty easy to store bulk amount of data without causing any damage to it. This project basically revolves around internet, its usage and how it's used to reduce the human burden. So, internet is nothing but a wire which connects different electronic device and each device has its own unique IP address. Server is a specially type of computer consist of enormous data which is owned by a company or an institution. Salesforce provides is users with two kind of storage – filestorage and data storage. File stores the attachments, documents etc. Data such as accounts, cases etc. In this project we will be using Salesforce to implement web app available and also mobile version of portal where client can show related information to the dealers and allow dealers to place their orders through portal. We shall be using – Creation and customization of Lightning Community Portal, Lightning components using Aura attributes, Aura tags, Lightning Controller Classes, lightning helper classes and Aura enabled apex classes, Visual force pages employing standard and custom controllers, SOQL and SOSL queries ,security and sharing rules at object, field, and record level and created roles for Support agents and managers ,profiles and configured permissions for the business users according to the business requirements, Salesforce inspector, import wizard for insert, update, export of data from Salesforce.com Objects using CSV files, Custom objects, Custom tabs and create workflows, approval processes, validation rules and formula fields, Work in managing users, setting up public groups and queues, created page layouts, search layouts to organize fields, custom links, related lists, and other functionalities,Design formulas to set up workflow rules and define related tasks, time triggered tasks, email alerts, field updates to implement business logic

Keywords:

Salesforce, Lightning Web Components, Aura attributes, Aura tags, Lightning Controller Classes, Apex Classes, Visual force pages, Client, Dealer, Bidding.

1. Introduction

1.1 About Project

When it comes to sales, it is important to have as many sales channels as possible. Would the idea of vast equipment dealers network sounds good to you? With Soft4Leasing Dealer portal, your equipment dealers will have no headaches when it comes to introducing their deals via dealer portal. Soft4Leasing broker portal enables Your agents – Equipment Dealers, Finance Brokers, Salespeople – to introduce deals via Web Portal. Introducer can make quotes for lease customer, fill in credit/lease applications on-line and submit to finance company for approval.

Once approved, dealer can print a contract, get signed, upload document package on web portal and submit for activation and settlement. Dealer can use customer database (this will reduce data entry when existing customer applies again), can keep track of application process, can see settled contracts and have introducer activity report. Soft4Leasing dealer portal allows for master records of equipment dealers, finance brokers, i.e. parties who introduce new lease applications. Multi-branding, grouping of dealers, dealer authorization and several other related functionalities are possible with the system. Dealer interface for web access is available.

The Portal is available as web application for desktop, for tablets, for smartphones on iOS, Android, Windows platforms. Portal usability is fine-tunes for each type of device (i.e. same look and feel, but layout and controls differ depending on size of device).

1.2 Objectives of the Project

The main objective of this project is to provide a platform where the clients and dealers can have a business deal. The technology we are using for the project is Salesforce Client and dealer login into the Salesforce account with giving their correct credentials.

Dealer:When Dealer logs into the account he/she will be redirected to the Product Entry Page where he/she can enter the Product they want to add and the Minimum Bidding Amount they want to assign. When it gets submitted all the data get stored in the Product Tab.

Client: It's a bit different for the client,when they login into the account they enter into the

Bidding page where all the products will be displayed and client can enter product name, bid amount and full name.On clicking submit all details get stored in Bidding Tab.

Logins of Customers and Owners are stored in tabs namely Customer Login Tab and Owner Login Tab.

The clients select a product and give a bidding amount for it, among the many clients whoever gives minimum bid amount, the owner will allot that product to that particular client. This is helpful to the clients as they can get the product at a minimum amount. It also saves time as the client and dealer can have a virtual communication. Quick responses will also be provided if theclients are facing any issues.

1.3 Scope of the Project

Dealer can easily put forth his deals regarding his assets, maintainability, durability, etc, which its company/Organization is providing. The Client can easily go through the details, look for the all his requirements and buy the product. This is implemented using bidding in Salesforce.

2. Literature Survey

2.1 Existing System

The Client-Dealer web application is made in various technologies using full stack development which is one of the widely used technologies.

The implementation is pretty easy using full-stack as compared to that of Salesforce.

In existing system there is no in-build connectivity of data base is provided, hence we use different database applications such as Oracle, MySql, etc.

We use various different applications for doing front-end coding and back-end coding.

2.2 Proposed System

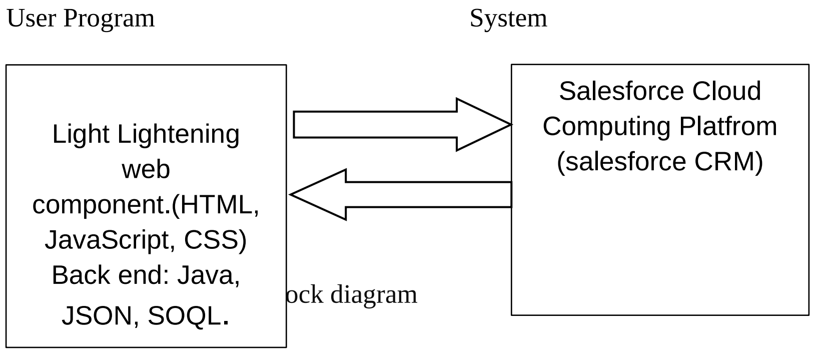
The Client-Dealer Web Application is made using salesforce platform and its Customer Relationship Management, lightening components.

The Same functionality is being implemented using salesforce which is one of the latest and on demand technology.

In Salesforce In-build Database connectivity is provided.

Salesforce a platform which provides the its various uses such as front-end coding, back-end coding, database connectivity, etc.

3. Proposed Architecture


User Program
System
Light Lightening web component.(HTML, JavaScript, CSS) Back end: Java, JSON, SOQL.
Salesforce Cloud Computing Platfrom (salesforce CRM)

ock diagram

4. Implementation

Code Implementation

Frontend Code

Bidding Owner Login:

```
<apex:page controller="BiddingOwnerLoginBE" showHeader="false">
<apex:outputText >BIDDING OWNER LOGIN PAGE</apex:outputText>

<apex:pageBlock >
<apex:form >
      Enter Username<apex:inputText value="{!un1}"/>
      Enter Password<apex:inputText value="{!pw1}"/>
<apex:commandButton value="SUBMIT" action="{!login1}"/>
</apex:form>
</apex:pageBlock>



</apex:page>
```

Bidding Customer Login

```
<apex:page controller="BiddingCustomerLoginBE" showHeader="false">
```

```
<apex:outputText >CUSTOMER LOGIN PAGE</apex:outputText>


<apex:pageBlock >
<apex:form >
Enter Username<apex:inputText value="{!un}"/>
Enter Password<apex:inputText value="{!pw}"/>
<apex:commandButton value="SUBMIT" action="{!login}"/>
</apex:form>
</apex:pageBlock>



</apex:page>
```

Bidding Page FE1

```
<apex:page showHeader="false" controller="BiddingPageBE1">
<apex:outputText >BIDDING PAGE ORIGINAL</apex:outputText>
<apex:pageBlock >
<apex:form >
    Place your Bid Amount<apex:inputText value="{!bidam}"/><br/>
<apex:selectList size="1" value="{!selectedname}">
   Select your product <apex:selectOptions value="{!selectedaccnamefields}"/>
</apex:selectList>
   Your Full Name<apex:inputText value="{!nam}"/>
<apex:commandButton value="SUBMIT" action="{!store}"/>
</apex:form>

</apex:pageBlock>
</apex:page>
```

Bidding Page FE

```
<apex:page controller="BiddingPageBE" showHeader="false">
<apex:outputText >BIDDING PAGE</apex:outputText>
<apex:pageBlock >
<apex:pageblocktable value="{!prolist}" var="d">
<apex:column value="{!d.name}"/>
<apex:column value="{!d.PostedBy__c}"/>
</apex:pageblocktable>
<apex:form >
<apex:commandButton value="CLICK TO BID" action="{!bid}"/>
</apex:form>
</apex:pageBlock>
</apex:page>
```

Backend Code
BiddingCustomerLoginBE

```
public class BiddingCustomerLoginBE {

    public String un{get;set;}
    public String pw{get;set;}
    public List<BiddingCustomerLogin__c> listone{get;set;}
    public PageReference login(){

        listone=[Select Email__c,Password__c from BiddingCustomerLogin__c Where Email__c=:un AND
Password__c=:pw ];

        if(!listone.isempty()){
           PageReference pageRef = new PageReference('/apex/BiddingPageFE');
            return pageRef;
        }
        return null;

   }


}
```

BiddingOwnerLoginBE

```
public class BiddingOwnerLoginBE {
    public String un1{get;set;}
    public String pw1{get;set;}
    public List<BiddingOwnerLogin__c> listone1{get;set;}


    public PageReference login1(){

        listone1=[Select Email__c,Password__c from BiddingOwnerLogin__c Where Email__c=:un1 AND
Password__c=:pw1 ];

        if(!listone1.isempty()){
           PageReference pageRef = new PageReference('/apex/ProductEntryPage');
            return pageRef;
        }
        return null;
}

}
```

BiddingPageBE1

```
public class BiddingPageBE1 {
    public Integer bidam{get;set;}
    public String nam{get;set;}
    Public string selectedname{get;set;}

    Public List<Selectoption> getselectedaccnamefields(){
            List<Selectoption> lstnamesel = new List<selectoption>();
            lstnamesel.add(new selectOption('', '- None -'));
            lstnamesel.add(new selectOption('Wood', 'Wood'));
            lstnamesel.add(new selectoption('Steel', 'Steel'));
            lstnamesel.add(new selectoption('Plastic', 'Plastic'));
            lstnamesel.add(new selectoption('Cement', 'Cement'));
            lstnamesel.add(new selectoption('Historic Things', 'Historic Things'));
            lstnamesel.add(new selectoption('Bricks', 'Bricks'));
            lstnamesel.add(new selectoption('Iron bars', 'Iron bars'));
            return lstnamesel;
        }

    public void store(){
       Bidding__c obj=new Bidding__c();
        obj.BiddingAmount__c=bidam;
        obj.Product__c=selectedname;
        obj.CustomerName__c=nam;
        insert obj;
    }
}
```

BiddingPageBE

```
public class BiddingPageBE {
     Public List <Product__c> prolist {get; set;}
    public BiddingPageBE(){
         prolist = [select name, PostedBy__c from Product__c];
    }
    public PageReference bid(){
        PageReference pageRef = new PageReference('/apex/BiddingPageFE1');
            return pageRef;
    }
}
```

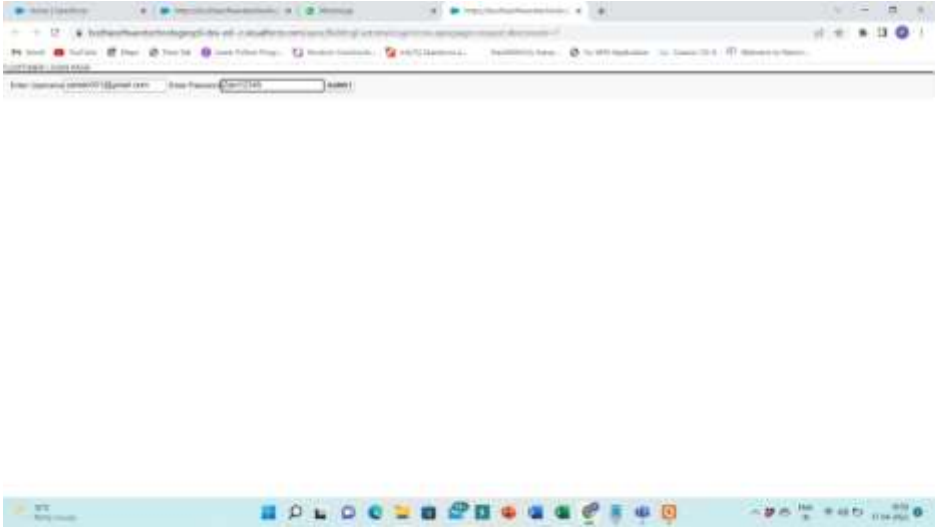
ProductEntryPageBE

```
public class ProductEntryPageBE {

    public String pname{get;set;}
    public Integer minbidamount{get;set;}

    public void submit(){
        Product__c obj=new Product__c();
        obj.ProductName__c=pname;
        obj.MinimumBidAmount__c=minbidamount;
        insert obj;
     }
```

5. Result

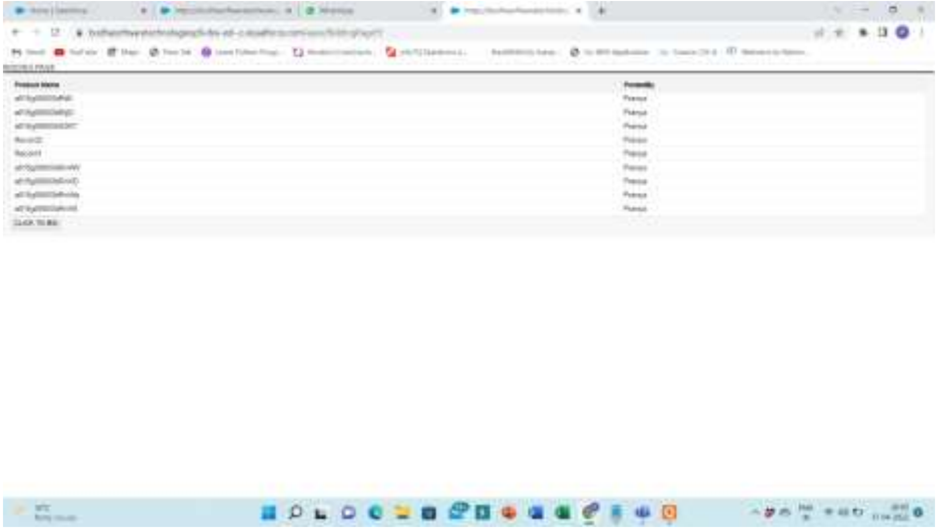


CUSTOMER LOGIN PAGE

Enter Username

Enter Password

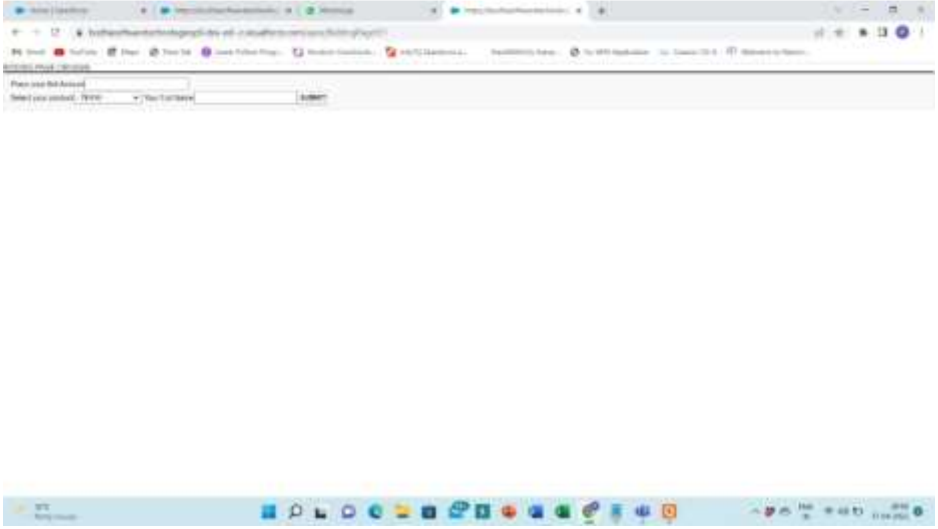
Fig 5.1 Customer Login Page



BIDDING PAGE

Product Name

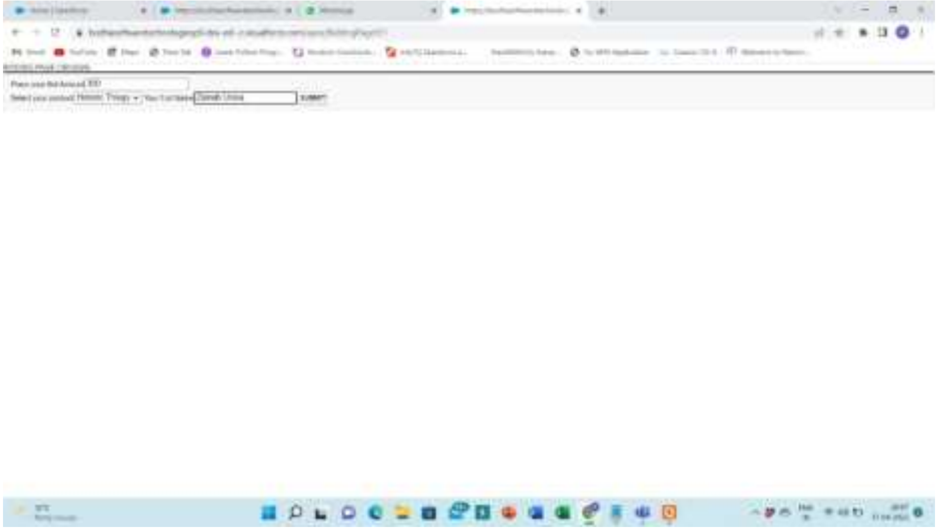
fig 5.2 Once user enters correct details will be redirected to the bidding page



Place your Bid Amount

Select your product : None ▾ Your Full Name

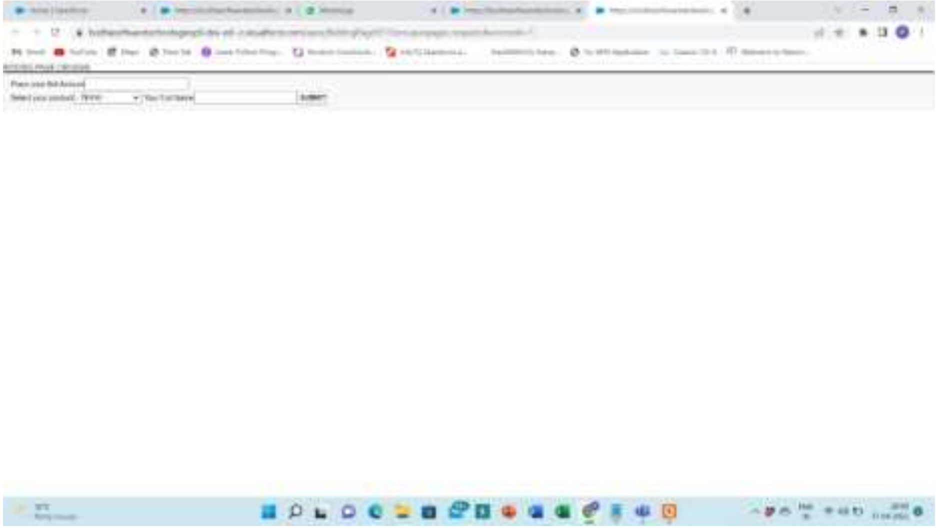
Fig 5.3 once we click to bid this page appears



Place your Bid Amount [illegible]

Select your product [illegible] ▾ Your Full Name [illegible]

Fig 5.4 oncethe details are given, the details get stored bidding tab

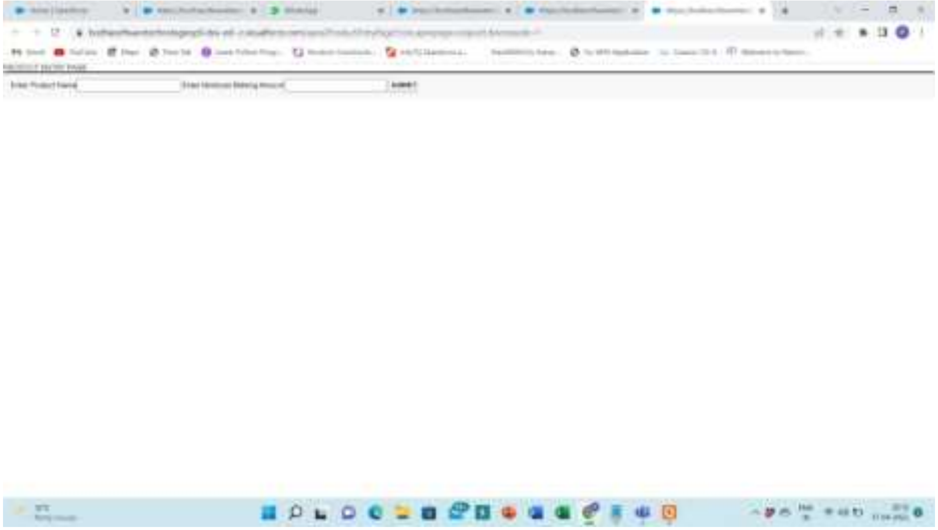


[illegible]

Place your Bid Amount

Select your product: [illegible] Your Full Name SUBMIT

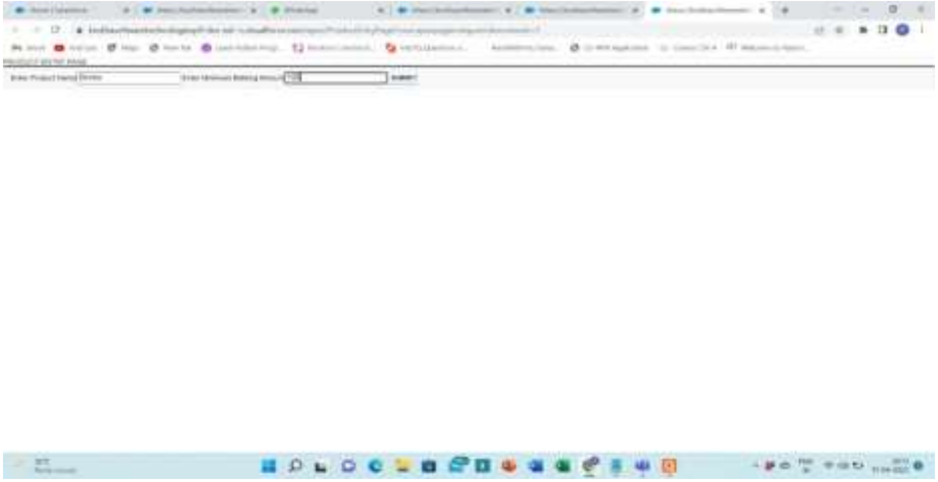
Fig 5.5 Bidding Page FE1



PRODUCT ENTRY PAGE

Enter Product Name Enter Minimum Bidding Amount SUBMIT

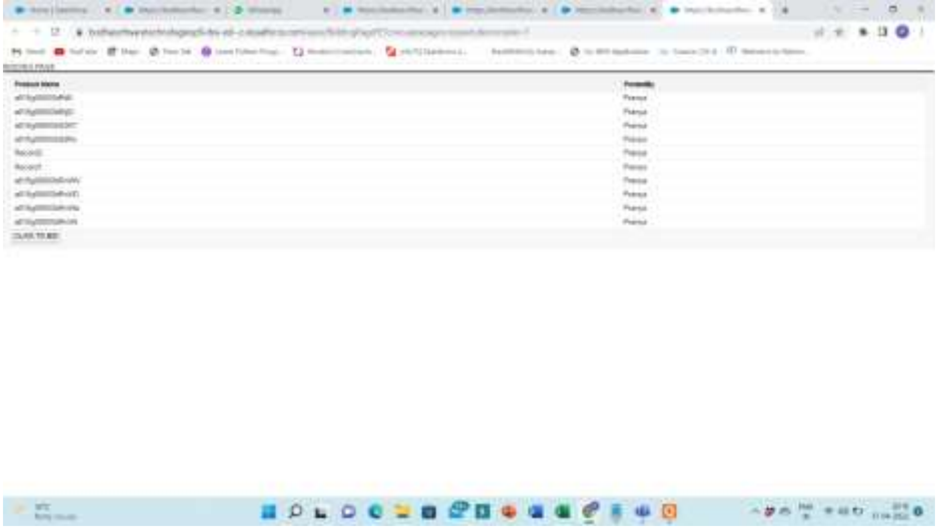
Fig 5.6 Product Entry Page



PRODUCT ENTRY PAGE

Enter Product Name [illegible] Enter Minimum Bidding Amount [illegible] SUBMIT

Fig 5.7 Data stored in Product Page

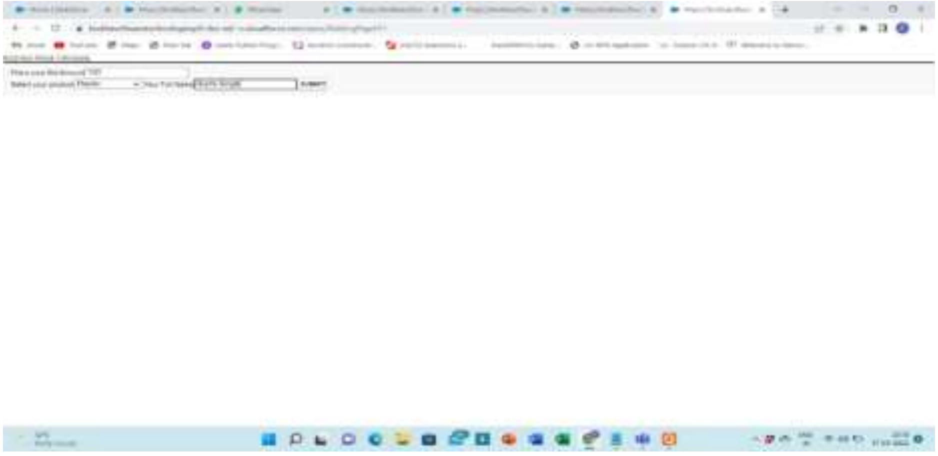


BIDDING PAGE

Product Name	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
Record2	[illegible]
Record1	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

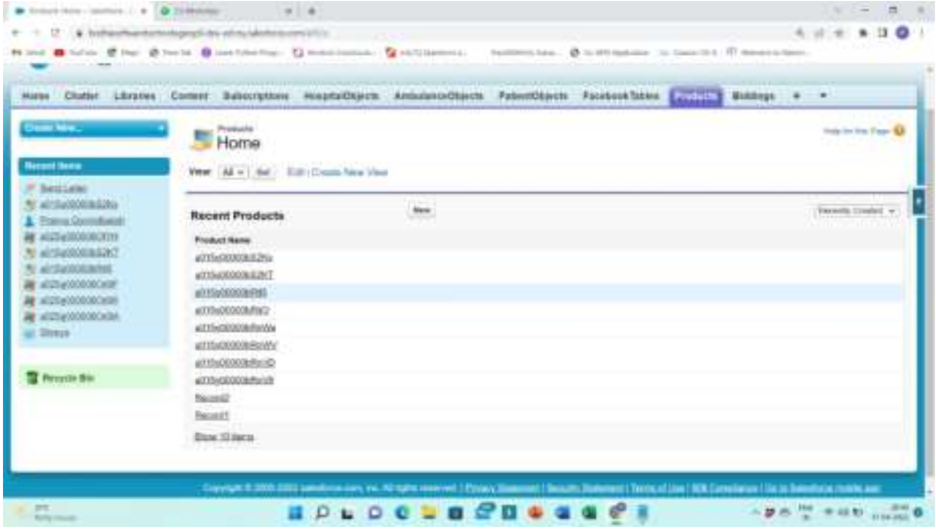
CLICK TO BID

Fig 5.8 Bid Page FE



Place your Bid Amount [illegible]
Select your product [illegible] Your Full Name [illegible] SUBMIT

Fig 5.9 when we click to submit all data get stored in bidding tab



Products
Home

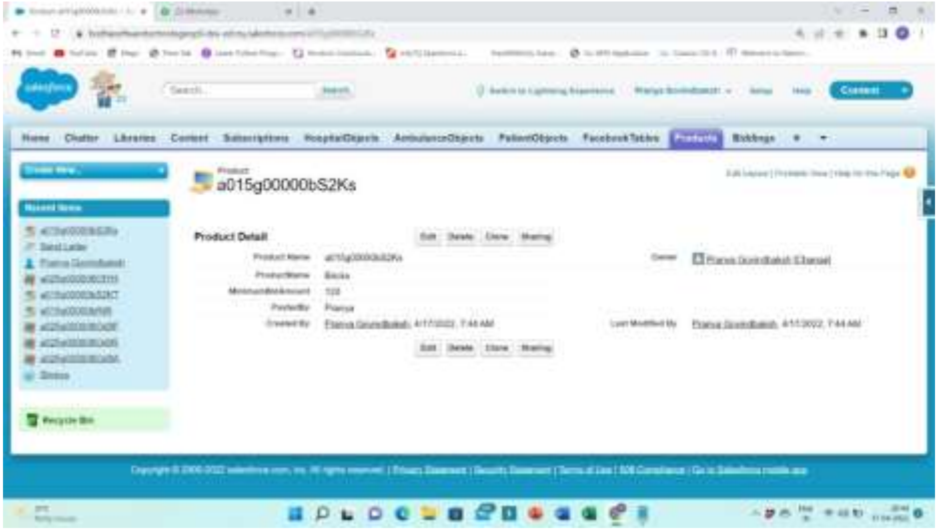
View: All Go! Edit | Create New View

Recent Products

Product Name
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
Record2
Record1

Show 10 items

Fig 5.10 Product Tab where all data is stored

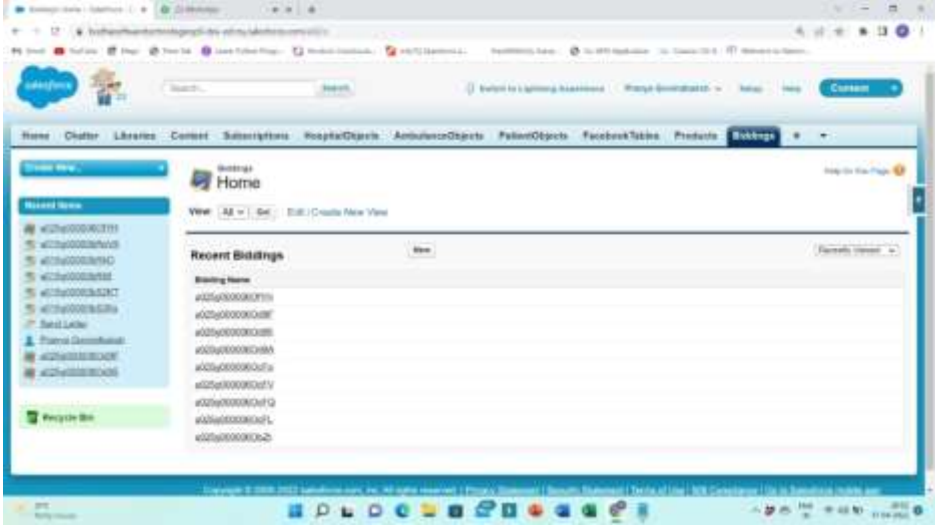


Product
a015g00000bS2Ks

Product Detail

Product Name	[illegible]	Owner	[illegible]
ProductName	[illegible]		
MinimumBidAmount	[illegible]		
PostedBy	[illegible]		
Created By	[illegible] 4/17/2022, 7:44 AM	Last Modified By	[illegible] 4/17/2022, 7:44 AM

Fig 5.11 Products added by Dealer with minimum bidding amount



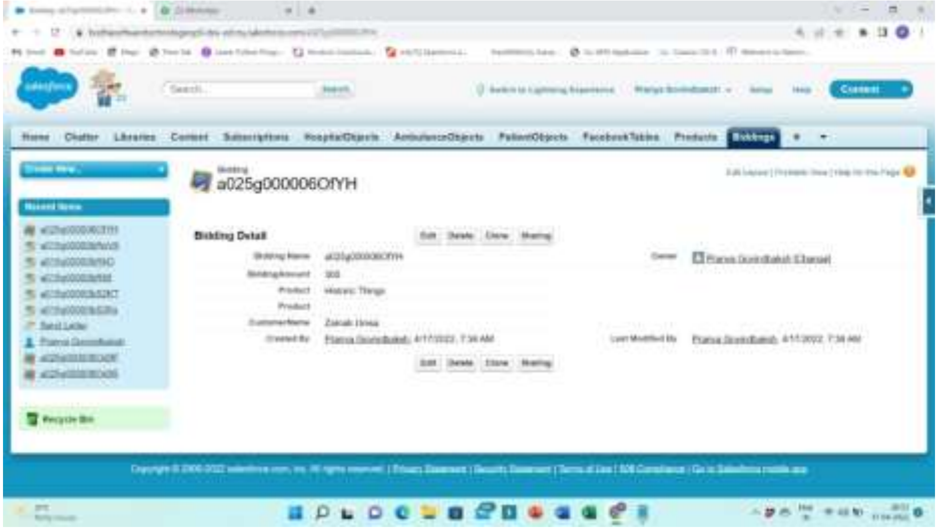
Biddings
Home

View: All Go! Edit | Create New View

Recent Biddings

Bidding Name
a025g000006OfYH
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Fig 5.12 Bidding Tab

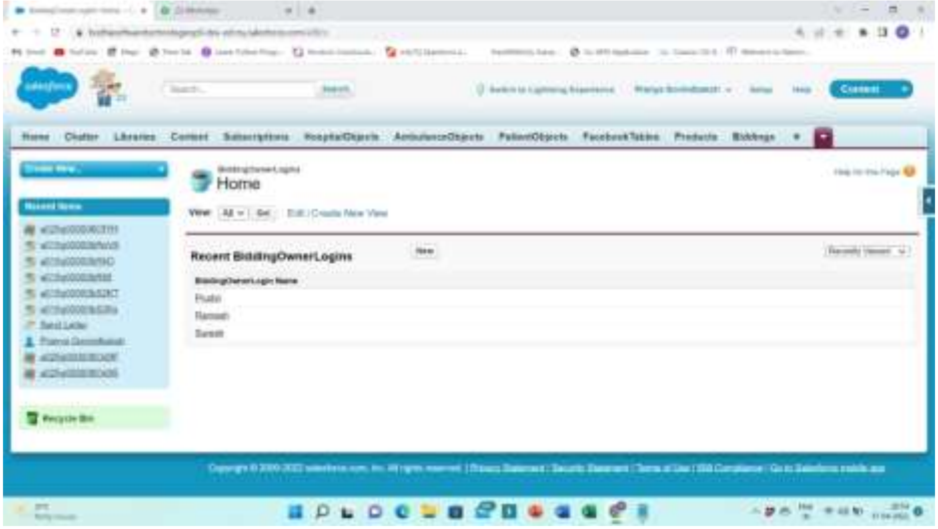


Bidding
a025g000006OfYH

Bidding Detail

Bidding Name	a025g000006OfYH	Owner	[illegible]
BiddingAmount	300		
Product	Historic Things		
Product			
CustomerName	[illegible]		
Created By	[illegible], 4/17/2022, 7:36 AM	Last Modified By	[illegible], 4/17/2022, 7:38 AM

Fig 5.13 Name, product name and bidding amount given by the customer are displayed here



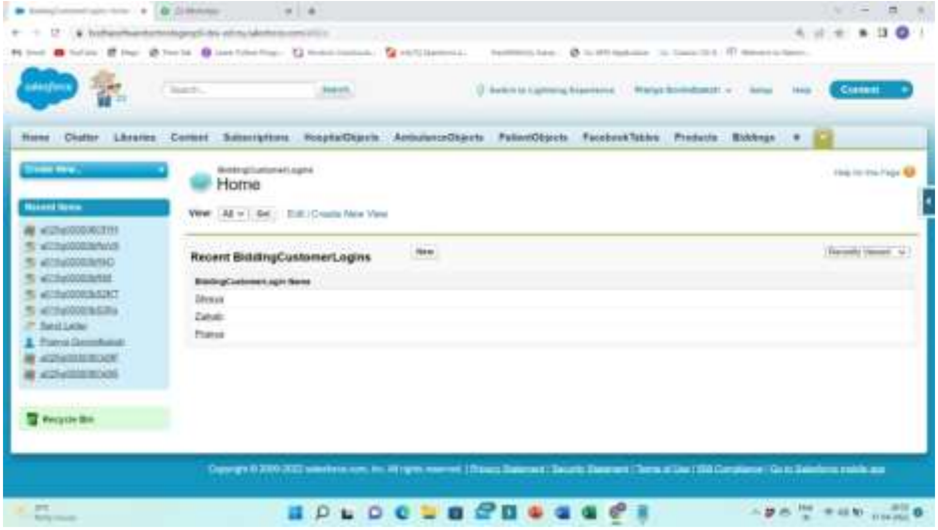
BiddingOwnerLogins
Home

View: All Go! Edit | Create New View

Recent BiddingOwnerLogins New

BiddingOwnerLogin Name
Pratik
Ramesh
Suresh

Fig 5.14 Owner Login Tab – all Dealer details are stored here



BiddingCustomerLogins
Home

View: All Go! Edit | Create New View

Recent BiddingCustomerLogins New

BiddingCustomerLogin Name
Dhruva
Zahab
Pranva

Fig 5.15 Customer Login Tab – Clients Login Stored her

6. Conclusion

We can hereby conclude that, the Project “CLIENT-DEALER APPLICATION” ensures to easily retrieve or access all the details of product such as Product ID, Product Name, and Product Maintainability, Product Durability etc. which will eventually help the Client to find the product of its requirements and buy without any difficult job.

On the other hand it is for the Dealer to show case its Products, there details and the various of products the Organization/Company provides. All the jobs such as updating, making a deal with client, etc, can be performed without any hectic task.

7. Future Scope

The same portal can be used to promote bidding mechanism between producers and consumers directly.

This will enhance the profit medium and also eliminates middleman mechanisms.

This can also play a huge role in farming and provide profits to farmers which will be on par with doubling farmers' income scheme of central government.

It's not only limited to farm but can cater to all the sectors

Sellers can increase and widen their reach to way beyond their cities – they can get customers from literally anywhere in the world, provided they are willing to ship.

Even small businesses can increase their sales and grow by selling online.

They can enjoy massive savings in infrastructure, as they need not rent or purchase space in pricey locations or spend on interiors, display, etc.

As online stores can be operated with minimal staff, there is huge savings in salaries; sellers can also save on overheads like electricity and other utility bills.

Online storefronts are open 24/7 to serve customers – no more worrying about missing out because of holidays, strikes, or even lockdowns.

They can respond quickly to market demands.

Sellers can deal in a wide range of products.

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