Bundle-Bid Web Application

Business Requirements Document

Table of Contents

[**1.Project Overview** **3**](#_heading=h.gjdgxs)

[**2. Document Information 3**](#_heading=h.30j0zll)

[2.1 Audience 3](#_heading=h.1fob9te)

[**3. Business Opportunity 4**](#_heading=h.3znysh7)

[3.1Background to the Proposed Work 4](#_heading=h.2et92p0)

[3.2 Stakeholders 4](#_heading=h.tyjcwt)

[**4. Business Requirements 5**](#_heading=h.3dy6vkm)

[4.1 Business Scope 5](#_heading=h.1t3h5sf)

[4.2 Details of Business Requirements 5](#_heading=h.4d34og8)

[4.2.1 Buyer Requirements 5](#_heading=h.2s8eyo1)

[4.2.2 Seller Requirements 5](#_heading=h.17dp8vu)

[4.2.3 Shipping Company 5](#_heading=h.26in1rg)

[4.2.4 Administrator Requirements 6](#_heading=h.lnxbz9)

[4.2.5 Customer Account 6](#_heading=h.35nkun2)

[4.2.6 Billing Department 6](#_heading=h.1ksv4uv)

[4.2.7 Customer Payment Management 6](#_heading=h.44sinio)

[4.2.8 Advertising Department 6](#_heading=h.2jxsxqh)

[4.3 Non-Functional Requirements 7](#_heading=h.z337ya)

[**5. External Data Feeds 7**](#_heading=h.3j2qqm3)

[**6. Business Risks 7**](#_heading=h.1y810tw)

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# 1.Project Overview

This document describes requirements for Bundle – Bid Web Application that will be used as the basis

for the following activities:

● Deliver a web application.

● Developing test plan and test specifications

● Finding business opportunity

● Allow users to pay for all transactions based on the bid.

● Determining Project completion.

# 2. Document Information

## **2.1 Audience**

|  |  |  |
| --- | --- | --- |
| Name | Business Unit | Role |
| Sellers | Admirative Management | Partner/Supplier |
| Buyers | Admirative Management | Web Application Users |
| Shipping Company | Shipping Company Management | Service provider |
| Credit Card Company | Credit Card Company Management | Service providers |
| Advertising and Marketing Companies | Marketing Management | Partner/Supplier |

# 3. Business Opportunity

## **3.1 Background to the Proposed Work**

There are various bidding websites, the most common and well-known example being Ebay but these are only geared towards end-consumers or retailers. Also a lot of wholesale websites exist, like AliBaba, but none that allow the businesses or end retailers to buy products in huge quantities at large at best possible mass prices. We aim to ridge the gap between these two worlds with our website – Bundle Bid – a wholesale bidding E-commerce website for retailers or wholesalers to buy goods in large quantities by fair bidding prices directly from the manufacturers or packaging factories to avoid third party costs, overbearing shipping charges and paying the least amount possible for a particular pellet or more of commodity/goods. There also will be a shipping option for the buyers or else they can also pick it up from the manufacturers themselves. The main idea behind developing this new ecosystem for suppliers and wholesalers is to simplify the process of acquiring products in huge quantities directly from the manufacturer at the least price possible for them. Some of the possible features that the site will aim for would be:

1. Live auctions of wholesale products

2. Direct description and details from the manufacturer themselves

3. Option of shipping available if needed

4. Serving as a point of contact between the buyer and the seller

5. A variety of products that cater to most market types

## **3.2 Stakeholders**

The Stakeholders of BundleBid application are any person and entity that support the daily operation of BundleBid.

External Stakeholder:

|  |  |
| --- | --- |
| Stakeholder | Interest |
| Manufacturers | Application supplier who enlists bundled products on the application platform to sell directly to buyers;  Direct Buyer who bid and purchases products through the application and to use purchased products in its daily operations |
| Wholesalers | Application supplier who enlists bundled products on the application platform to sell directly to buyers |
| Local Business | Direct Buyer who bid and purchases products through the application and to use purchased products in its daily operations |
| Shipping Companies (Fedex, UPS, DHL, USPS and etc.) | Partners with the application to provide shipping service to help deliver products to the bundle buyers |
| Custom Clearance Agent (Livingston International, Clearit USA, and etc. ) | Custom clearance agents who partnered with BundleBid to provide custom clearance services to international buyers and sellers |

Internal Stakeholder:

|  |  |
| --- | --- |
| Stakeholder | Interest |
| Team members | Design and develop an user friendly application to provide reliable and secure BundleBid services to end users |
| Investors | Provides valuable investments and maintain application’s smooth development and operation |
| Product Owner | Provides insight and blueprint of the application |
| Administrator | Manage administrative and logistic works to ensure smooth development and operation |

# 4. Business Requirements

## **4.1 Business Scope**

This application provides a wholesale Ecommerce platform with a build-in bidding system. This online bidding platform allows sellers to wholesale their products at the best price possible and allows buyers to purchase at the fairest price. Two target users: Online wholesaler and Online shopper who wants buy items in bulk. The most important customer is online shopper who make purchase through the application. The app takes a percentage from each sale to generate profit.

## **4.2 Details of Business Requirements**

Note: Bundle-Bid Application categories are combined for simplicity.

### **4.2.1 Buyer Requirements**

4.2.1.1 Ability to search for a product depending on its category

4.2.1.2 Ability to bid multiple times over a product

4.2.1.3 Ability to see the current status of the bid

4.2.1.4 Ability to select product based on category

4.2.1.5 Ability to update bid based on recently updated value.

4.2.1.6 Ability to see the bidding history (successful/unsuccessful)

4.2.1.7 Ability to submit a max bid to purchase instantly

### **4.2.2 Seller Requirements**

4.2.2.1 Ability to add product

4.2.2.2 Ability to specify a product’s description and add pictures

4.2.2.3 Ability to set the minimum bid price

4.2.2.4 Ability to update the description of an existing product

4.2.2.5 Ability to define a Max Bid price (Optional) (for buyers to buy instantly at a fixed price)

4.2.2.6 Ability to delete a product

### **4.2.3 Shipping Company**

4.2.3.1 Ability to receive the buyers and order details

4.2.3.2 Ability to ship the product to the buyer’s address

4.2.3.3 Ability to receive and revise if any updates in the buyer’s details

4.2.3.4 Ability to deliver the products on time

### **4.2.4 Administrator Requirements**

4.2.4.1 Ability to verify the authenticity of the seller

4.2.4.2 Ability to set yearly membership fee

4.2.4.3 Ability to set profit percentage on sales

### **4.2.5 Customer Account**

4.2.5.1 Ability to create an account

4.2.5.2 Ability to sign into / out of an account

4.2.5.3 Ability to change account information

4.2.5.4 Ability to delete an account

4.2.5.5 Ability to see bidding history / listing history (based on the type of account)

4.2.5.6 Ability to link payment method to an account for transactions / money transfers

### **4.2.6 Billing Department**

4.2.6.1 Ability to generate bills for partners

### **4.2.7 Billing and Payment Management**

4.2.7.1 Ability to generate bills.

4.2.7.1 Ability to authenticate debit/customer credit card

4.2.7.2 Ability to inform customer of payment status

### **4.2.8 Advertising Department**

4.2.8.1 Ability to generate ads on application website

* + - 1. Ability to generate sponsored posts and listings

## **4.3 Non-Functional Requirements**

|  |  |
| --- | --- |
| Category | Requirements |
| Usability | The application's GUI interface should feature a simple and intuitive design, with menu options clearly labeled and field functions obvious to any user. |
| Usability | The purpose of any section of the application should be immediately evident to any user. |
| Usability | The application should be easy to navigate and users should be able to immediately access any significant functionality that they may need within a few clicks, ideally in one click. |
| Performance | The response time of the application should not be impacted by latency that will significantly impact the evident availability of application features or information |
| Performance | The application should be available for users 24 hours a day, every day of the year. |
| Performance | The application should be not make excessive demands on customer's computer or device memory capabilities |
| Performance | The application should support several users using simultaneously. |
| Security | The application will be protected from hackers and intrusion by various security measures |
| Security | Encryption for customer's personal data that is maintained on the web application's server |
| Database | Application will use the DynamoDB NoSQL database. |
| External System | Application will be able to interface successfully with social media websites, travel service websites, credit card payment services, and other online resources |

# 5. External Data Feeds

* Bank

Serves as a method of transaction or money transfer upon successful auction for buyer/seller respectively.

* Credit card vendor

Serves as an entity for buyers to source payment for a product purchased and for the company to validate authenticity of a payment

* Shipping Company:

Provides customers with efficient delivery service.

* Advertising:

A medium to manage and moderate ad revenues and ad types to be displayed in a campaign

* Local supplier:

Responsible for defining the needs and description to sell a product and get it shipped to it’s buyer

# 6. Business Risks

If the bidding system is not working properly that is Data integrity, authentication and Transactional risks, if the latest bids are not updated on time would be the biggest risk for this application. In addition to this the user's privacy, return of product, and refund frauds are the major risks