

Business Requirements Specification(BRS)

Introduction

Business purpose

- The purpose of this business is to get objects(pins, clothes, etc..) made over-seas into the hands of United States based clients

Business scope

- Identifying the business domain by name
 - Distribution
- The range of business activities that this company performs is the communication directly to factories in China and then shipping them to US clients. The factories in china are external entities that are worth noting.
- The scope of the system being developed supports the main page of the company website with a quote calculator for the amount of products being ordered

Overview

- What are the major internal divisions?
 - The company is composed of a Management, art direction, social media, freelancers and distribution

Definitions

- A "Group order" is where multiple clients come together for a shared deadline to order a product wholesale
- "Manu" is a shortened version of manufacturer

Major stakeholders

- Manager
- Art director
- Manufacturers
- Clients
- Freelancers
- Investors

References

- N. Cucinella, personal communication, January 25, 2022
 - Manager of the <http://catstealers.com>
- website

Business management requirements

Business environment

These are some of the internal and external factors that should be taken into consideration

- Internal factors:
 - Issues finding new manufacturers
 - Problems finding new artists
- External factors
 - Any shutdown of production within China
 - Supply chain issues
 - Lack of distribution infrastructure in the US

Mission, goals, and objectives

- The result of implementing the proposed system is
 - to give clients a good estimate to increase website traffic and amount of potential clients

Business model

- The methods that we will use to achieve the proposed objective is to give the clients a tool in which shall give accurate estimates to the prices of the product. This will be within a cart-like system and will boost overall revenue of the company by giving clients a concrete number to work with. This type of tool is necessary because of how much prices fluctuate in the distribution domain.

Information environment

- Project portfolio
 - If there are multiple projects being worked on, some project responsibilities are given up by either the Art Director or the Manager and given to the social media person or possibly even a freelancer. These would be non-critical tasks for the company. Some of the constraints given by the management plan are critical tasks for the companies success (hiring new employees and signing contracts) are always reserved for the Manager and Art Director.
- Long term system plan
 - A constraint they have in their manual to eliminate redundancy of features is "Features shall not overlap functionality and shall be consolidated if there is significant overlap"
- Database configuration
 - Most of their data, statements, and invoices are kept within Google Drive

Business operational requirements

Business processes

- The business process starts out with a client visiting the website and reaching out the the company via email. A quote is then sent over email to the client to give them an estimate for the price of the manufacturing. Art files that the clients want to use then are given to the manager or art director and these are then sent to the manufacturer. A quote by the manufacturer is given and this is when the company knows how much profit they can make from this particular product. Production begins at this point and the client pays now that they have a solid price. The last part is getting the product shipped from China to wherever in the US the client is based.

Business operational policies and rules

- This business does not have a formal business and procedures manual so I cannot include any of the pages. They do have some policies and guidelines that the employees must follow.
 - Employee, client confidentiality. Data cannot be exposed to the public.
 - Product shall be delivered in a timely manner
 - Quality of the manufactured product will be high when it is delivered

Business operational constraints

- Each item requested by clients requires a different procedure due to a different manufacturer making each one of the products therefore each time a delay happens with the manufacturer it must be noted and documented. An example is if restrictions are put on the manufacturer like COVID regulations in China, the time it takes to ship product may be double at no fault to the business and things like this are documented in the Google Drive.

Business operational modes

- There is no formal manual for business operation but there are some policies they have when extreme situations occur. The first being operation in the event of a natural disaster, the fact that the company is mostly eCommerce and primarily online many working condition problems are worked around. In the event of one of the manufacturers being affected by a disaster, funds will be reimbursed to the clients who purchased the product.

Business operational quality

- The focus on the products is quality so they may expect a long delay because of the product being manufactured overseas. Therefore there may be a wait for delivery due to the emphasis on quality.

Business structure

- The structures within the company that are relevant to the proposed system is the Management and Art Director positions. These two positions are the most important within the company, many of the tasks that they have to complete is giving quotes to potential clients and this would give the clients a tool to do this themselves, therefore relieving these positions from that responsibility and giving them freedom to spend their time on other high priority tasks.

Preliminary operational concept of proposed system

Preliminary operational concept

- Operational policies and constraints
 - This system will be active whenever the site is active, and the business is ready to take more clients
- Description of the proposed system
 - The proposed system will provide clients with a tool to get a cost estimate on how much their product will take to manufacture.
- Modes of system operation
 - It will have one mode of system operation
- User classes and other involved personnel
 - There will be one user class and one admin class
- Support environment
 - This will be supported with HTML and JavaScript on most web browsers

Preliminary operational scenarios

1. The client enters the website and wants a quote for their inquiry. They check the landing page of the working website and see a pricing tool that they can plug their information into. A calculation is done in the back-end and a quote based on '*manu*' prices are then displayed to the client and then they can possibly contact them for further pricing.
2. The client reaches out via email and want to establish a quote; they are then sent a return email telling them to use the online pricing tool on the main page of their website. They enter their info and a quote is given to the user who now can go and place an order.

Other preliminary life-cycle concepts

Preliminary acquisition concept

- The system solution will be acquired by having a primary stakeholder present throughout the requirements solicitation process in the event there are any issues with the direction or design of the product.

Preliminary deployment concept

- It is validated by the business owner testing the product and reviewing how it performs, it will then be added into the website framework and the tool will be deployed onto the main page.

Preliminary support concept

- The support infrastructure will exist through training support. This will involve the software developer showing one of the members of the business how to maintain the software as well as solve potential bugs after the system is deployed. If any issues arise after deployment, either the developer or one of the trained members of the business will fix it.

Preliminary retirement concept

- This product is a software system so the tool could be removed from the main page of the website through the framework and have something replace its space. It will cause no lasting impact on the website after it is removed from operation.

Project Constraints

- The constraint that involves cost is to keep the product price under 500 USD worth of labor.
- The constraint that involves schedule is to be delivered before the end of the Chinese new year season (February 24th).

Appendix

- USD(United States Dollar)
- BRS(Business Requirements Specification)

Identification

- Name: CatStealers Business Requirements Specification
- Version number: 2.1.1
- Date: 2/13/22
- Previous versions: 1.1.1, 1.1.2

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