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Overview:

Software to connect vendors and customers: customers can browse, search, layaway, and purchase office supply products from many different vendors.

Supplyofficefast123.biz

Brief Project Proposal

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# Project Purpose, Scope, and Objectives

Project Purpose

The purpose of this software is to create a platform in which vendors and customers can interact. In this software, the vendors will be able to sell their supplies to customers. Vendors and customers will both be able to create accounts and manage their account information. The software will provide a variety of services for vendors, including access of inventory databases, tracking of customer purchases and information, and management of fee schedule to SupplyOfficeFast123.Biz. Services for customers will be similar, and will include the ability to create and manage an account, browse/shop/search for items, purchase or put items on layaway, management of payment information, and management of shipping details.

Scope

The scope of the project will include software that handles business transactions between vendors and customers, including browsing of products, purchasing of products, and arranging for shipping of products. Vendors will need to have their own databases of inventory and will need to provide SupplyOfficeFast123.Biz access to these databases. Payment services will be provided by a third party.

Objectives

To provide several services, in module form:

1. Corporate Customer Module (Buyers): manage customer accounts
2. Vendor Module (Sellers): manage vendor accounts
3. Merchandise Module: access vendor inventory databases
4. Transaction Module: process purchases
5. Management Module: manage details related to the relationship between vendors and SupplyOfficeFast123.Biz

# Brief Project Description

The system will connect vendors and customers in such a way that customers can browse a list of the vendors’ items and purchase or layaway items if they choose. The project will contain several modules, mentioned in the previous page.

Corporate Customer Module (Buyers) - manageCustomer

Manage customer accounts. This will mostly be used by customers, but can also be used by vendors.

*Some functions might include:*

* createAcct(): allows customer to create a new account in the system
* getInfo(): retrieves information from customer accounts
* setInfo(): allows customer to set information for their account
* login(): processes customer login

Vendor Module (Sellers) – manageVendor

Manage vendor accounts. This will only be used by vendors.

*Some functions might include:*

* createAcct(): allows vendor to create a new account in the system
* getVendorInfo(): retrieves information from vendor account
* setVendorInfo(): allows vendor to set information for their account
* login(): processes vendor login
* getContactInfo(): retrieves contact information from vendor account
* setContactInfo(): allows vendor to set contact information for their account

Merchandise Module – manageMerchandise

Access vendor inventory databases. This will be used system-wide, and thus users will include both customers and vendors.

*Some functions might include:*

* accessDB(): accesses the vendor database to retrieve information

Transaction Module – processPurchase

Processes purchases made by customers to vendors.

*Some functions might include:*

* addCart(): add item(s) to virtual shopping cart
* removeCart(): remove item(s) from virtual shopping cart
* whichCard(): determines which credit/debit card customer is using
* trackTransaction(): relays transaction information to vendor
* getPayment(): retrieves and processes customer payment
* whichShipping(): allows customer to specify shipping details
* search(): allows customer to search for specified item by category, price, etc.
* getProductInfo(): retrieves and displays product information for customer
* layawayProduct(): allows customer to place item on layaway, for purchase at a later date

Management Module – manageAcct

Manages details related to the relationship between vendors and SupplyOfficeFast123.Biz.

*Some functions might include:*

* getInfo(): retrieves information from vendor SupplyOfficeFast123.Biz account
* setInfo(): allows vendor to set information for their account
* changeSchedule(): allows vendor to change their fee/payment schedule
* getPayment(): retrieves and processes vendor payment

# Assumptions and Constraints

It is assumed that:

* SupplyOfficeFast123.Biz will be supplied training for the new software
* SupplyOfficeFast123.Biz will be responsible for advertising and teaching vendors to use the software
* Management will ensure that team members are available to provide maintenance as needed after deployment (which may include additional fees)
* Delivered product software will be robust and highly functional, allowing customers, vendors, and SupplyOfficeFast123.Biz employees to interface smoothly
* Product will be designed according to SupplyOfficeFast123.Biz specifications

Possible constraints:

* SupplyOfficeFast123.Biz fails to deliver payment as scheduled
* SupplyOfficeFast123.Biz changes details at any point through development, which will affect both pricing and timeline of project

# Tentative Schedule and Expected Date of Delivery

Phase I: Gather requirements of the system, document requirements, verify requirements with SupplyOfficeFast123.Biz

Phase II: Design system according to specifications of first phase. Requirements studied, hardware and system requirements are specified to determine overall architecture.

Phase III: Implement system by developing in small units, then by integrating smaller units into next phase. These units are all developed and tested for functionality throughout this phase.

Phase IV: All units are combined to make the tentative final system. Post-integration testing occurs where the system is tested for final faults or failures.

Phase V: Final product is deployed to customer.

Phase VI: If there are issues with final product, team will provide maintenance as needed. Further functionalities or features can be added with approval of funding.

Expected date of delivery by: December 12, 2015