**Camp Champ Survival Store**

**Intro / About**

Have you ever been in the woods and not known which direction is north? Have you gotten lost and thought how much easier it would be if you had eight feet of rope to use? Have you just ever thought of how you went camping and you forgot to get some gear before leaving? Well fear no more Camp Champ Survival Store is here, and we have all your camping and survival needs.

We stock back packs, sleeping bags, tents, survival bracelets, books on survival, and more. If you need to get camping gear then we have it. If you need to get survival gear incase you get lost then we got it. So lets get some supplies together and go for a campout. Let’s hang out in the woods reconnect with nature.

**Business Processes**

Camp Champ Survival Store is a camping and survival gear store. That operates out of a small store and sells gear online as well. They have many employees that work from management to sales to preparing inventory for sale. The company buys products from vendors and then preps them for sale in their store.

The full process of an order is that parts of products are ordered by the company from vendors. Each vendor is contacted through specific employees that head the connection with the company. Once the parts arrive employees put together the products. This ranges from assembling survival bracelets to simply preparing the products for sale.

At this point the store employees mark inventory of products in the company database. This database helps them determine when to restock shelves, order more products, or what can be sold by the store. Then customers come to the store or the online site and order products. At the time of order the products are placed on hold until the order is shipped off to the customer.

On the Camp Champ Survival Store’s website costumers can make accounts to manage their orders. The customers can add payment methods and addresses to their accounts to help manage how their orders go.

**What they want**

Camp Champ Survival Store would like a fully functioning e-commerce and inventory management system. They would like to be able to manage the inventory of the store from adding and subtracting from the quantity of each product in the inventory to changing the listing of available products. They would like a main page for the inventory management which alerts them of the current products that need to be restocked. Every product should have an image that can be displayed on the site and so they need to be able to upload and delete files to the server.

The site should also be a fully functioning e-commerce site as well, with the ability for customers to order products that they add to their cart. A customer should be able to create a user account to manage their orders and personal information.

They would like one login portal which based on whether the user is an employee or a customer will bring them to either the inventory management main page (for employees) or the user account main page (for customers).

**Company Departments**

Sales

Inventory

Mangement

Product Preparation

Customer Service

Human Resources

**Databases**

Camp Champ Survival Store uses serval databases to run and manage the work that it does. The databases are a user database, a customer database, an employee database, a vendor database, an inventory database, and an order database.

**User Database**

*Purpose*

The purpose of the user database is to manage the user accounts for all employees and customers. This also manages the user permissions of the account which indicates what the user can and cannot do on the website. Customers have permission to only view the e-commerce part of the website. Employees can only see the inventory management side of the website. Employees can have different levels of permissions allowing some to change permissions for users while others can only view the inventory. The user permissions are customer, employee, order fulfiller, inventory manager, employee manager.

*Assumptions*

1. Every employee and customer is a user
2. Every user has a user account
3. Every user account has a user name and password
4. Every user has at least one address
5. Every user has at least one contact
6. Every user has a permission level
7. Users may have a permission level of customer, employee, order fulfiller, inventory manager, or employee manager
8. Addresses can be shipping, home, or billing
9. Contacts may be email (work, home, other) or phones number (work, home, cell)

*ER-Diagram*

UserDB in the model

**Customer Database**

*Purpose*

The customer database is meant to hold all the information of the customers. This database stores information on the payment methods of the customer whether it is credit card or checking account information. It also holds the title of the customer like: Dr, Mr, Ms, etc.

*Assumptions*

1. A customer is a user
2. Every customer has a title
3. Titles are Mr, Ms, Dr, etc
4. Every customer has at least one payment method
5. Payment methods are checking account or credit/debit card
6. Every credit/debit card has a card type, name on card, number, security code, zip, and expiration data
7. Every checking account has an account number, routing number, and bank name

*ER-Diagram*

CustomerDB in model

**Employee Database**

*Purpose*

The employee database holds all information related to the employees. This has the departments the employee can work in with the positions offered by each department. Every employee’s job history include position changes and salary changes are tracked in this database.

*Assumptions*

1. An employee is a user
2. Every employee has an initial start date based off of the day the started working for the company
3. Every employee has had at least one one job
4. Every job has a name, low salary, high salary, and department
5. Every department has many jobs in it
6. Every time an employee changes positions or gets a salary raise it is recorded
7. Every department has one manager at any point in time

*ER-Diagram*

EmployeeDB in model

**Vendor Database**

*Purpose*

The vendor database is designed to hold all information related to the vendors of parts or products to the company. The database holds a listing of each supplier and the contacts that supplier has. Suppliers have contacts who are people with multiple forms of communication to reach them.

*Assumptions*

1. A vendor may have more than one person as a representative
2. Each vendor contact may have more than one phone or email on file
3. Each vendor contact must have a phone or email on file
4. Each vendor must have a person for a contact
5. A vendor can supply more than one item

*ER-Diagram*

VendorDB in model

**Inventory Database**

*Purpose*

The inventory database holds the information related to all products in the inventory. This has a listing of every product with its description and price history. Every product is made up of parts which may just be the product itself but parts are supplied to the company by vendors. A list of all parts, the suppliers, and number needed for a product appear in this database as well.

*Assumptions*

1. Every product has a description and an image to be displayed
2. Every product has an inventory count and count at which it needs to be restocked
3. Every product is made up of parts bought from vendors
4. A part is supplied by one vendor and one vendor only
5. A part may be used to make more than one product
6. Every part has an inventory count and count at which it needs to be restocked
7. Every product has a price
8. Price changes are recorded for future reference

*ER-Diagram*

InventoryDB in the model

**Order Database**

*Purpose*

The order database is designed to hold data related to the orders of products from the company. Each order is track through a series of status from placed to shipped to delivered monitored by the company. The company also uses this database to track when an order was made, what was in the order, who ordered the products, and what payment method they used to order the products.

*Assumptions*

1. Every order is made on a specific date
2. Every order is recorded with the sales tax and shipping cost of the order
3. Every order has a method of payment
4. Every order has at least one item in the order
5. Every order has a status towards completion
6. Every status change is recorded with the employee who made the change and the date the change was made
7. The status history is recorded by the company for reference in the future

*ER-Diagram*

OrderDB in model