Project Title: Bazar POS (Point of Sale) Application

Team Member

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Language, Tools & Database

- ❖ *Language C#.NET*
- ❖ *Database SQL Server*
- ❖ *Tools (Visual Stdio-2019)*

Short Description

POS Management empowers growing small and medium sized business (SMBs) companies to manage major function of their business more effectively. The company's fully integrated business management software, POS Management, addresses the unique needs of SMBs in the wholesale/distribution and retail industries by allowing them to quickly manage and track their business operations online and offline - from storefront to the front and back office. POS Management Software is committed to provide customers with the service, support, and expertise they require to increase efficiency and profitability with a solution that provides an unmatched rapid return-on-investment.

The application will help both the employee and owners a lot because the owner can

- ❖ Manage Users
- ❖ Manage products and Categories
- ❖ Keep Track Inventory
- ❖ Keep track of purchase and sales transactions
- ❖ Print Bill After Purchase or sales

Requirement Determination:

1) **Login**
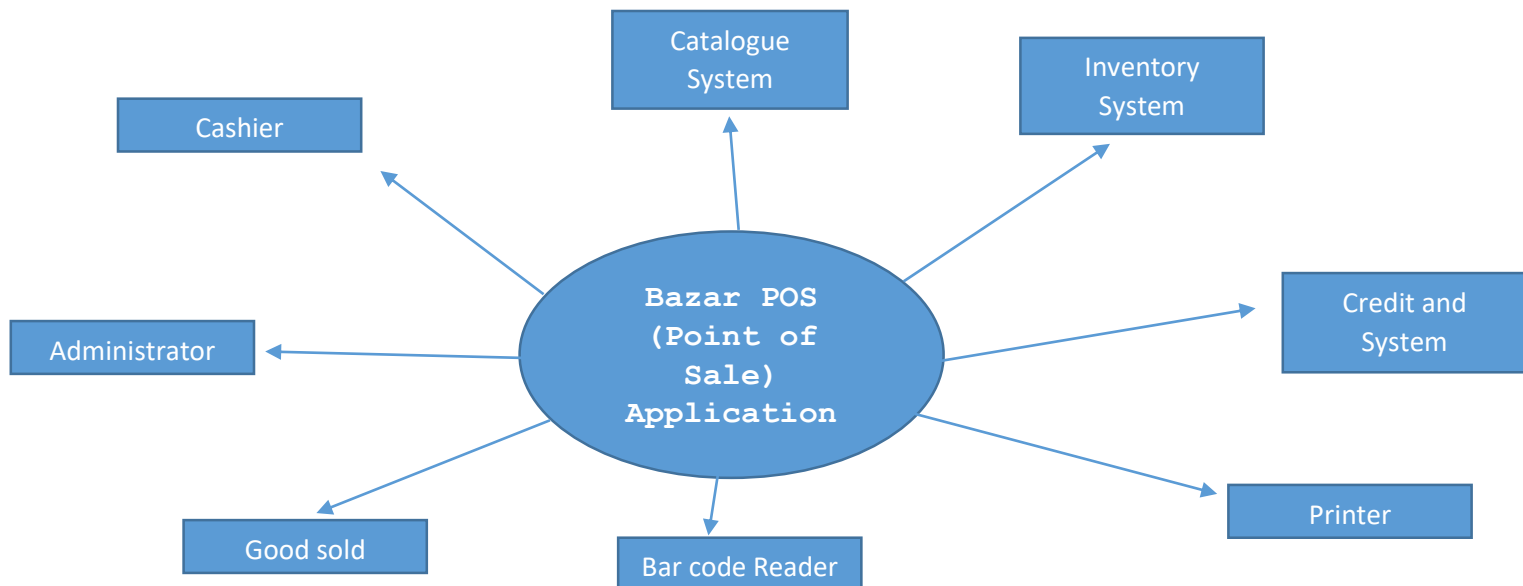2) **Manage categories (add, update, delete)**
3) **Admin Manage users (add, update, delete)**
4) **Manage products (add, update, delete)**
5) **Fast checkout (Billing system)**

Requirement Specification:

1) **Login: A user must log in to use the POS. The users of a POS system are the employees of the store including cashiers and the administrator. The administrator can access the system management functions of the POS system including user management and security configuration that cashiers can't do.**

Fig 1: *Context diagram of the application*

2) **Manage categories (add, update, delete):** A POS should also serve as a good **inventory management software** and make the process effortless. One should be able to monitor all the critical information about the store from individual transactions to purchases. This will make ordering easy from vendors & the inventory manager would not waste time calculating the reorder level.

3) **Admin manage Users (add, update, delete):** A good POS can help convert the data on the customer's profile into information. It should abolish the need for a **CRM software** for your organization. As a use case, it will let the purchasing team know what products the customers buy more frequently and thus the team can place orders accordingly. The data can also help the customer relations team build an effective loyalty program, which can increase sales in the long term.

4) **Manage products (add, update, delete):** A point of sale inventory management system allows a business owner to have more than one business location and adequately keep track of inventory at each without being present — no more worries about employee theft or pricing inconsistency between one location and another. The boss can be away and not worry about employee theft. Employee efficiency can be maintained. Point of sale systems takes care of those problems that result when management isn't present.

5) **Fast checkout (Billing system):** A retail POS software should be able to simplify the checkout process. This means that it should not take the sales team's much manual effort to complete a transaction. If there is still a manual process that the team has to go through, then the POS software needs a replacement.