COFFEE STORE MANAGEMENT

## **Project Description**

## The Coffee Store Management Application is a comprehensive solution designed to streamline the operations of a coffee shop. It facilitates order management, inventory control, and menu customization. The application consists of two main interfaces: one for customers to place orders, and another for managers to oversee operations.

### **Key Features**

## Customer Interface:

## Browse coffee menu

## Customize coffee orders (e.g., select sauces, milk types)

## Place orders **(Discount for orders with more than 2 Quantity)**

## View order status

## Manager Interface:

## View and manage active orders

## Mark orders as completed

## Add new coffee items to the menu

## Manage inventory (mark items for refill, update stock status)

## Order Management:

## Status updates (pending, in progress, ready, completed)

## Menu Management:

## Add, edit, or remove coffee items

## Customize available options for each coffee (e.g., allowed sauces)

## Inventory Control:

## Track stock levels of ingredients and supplies

## Generate alerts for items needing refill

## **Technology Stack**

### **Frontend**

## Framework: React

## Language: JavaScript

## HTTP Client: Axios for API requests

### **Backend**

## Framework: ASP.NET Core

## Language: C#

## Database: Entity Framework Core with SQL Server

## API: RESTful API endpoints

### **Development Tools**

## Version Control: Git

## IDE: Visual Studio (for backend), Visual Studio Code (for frontend)

## Package Managers: NuGet (backend), npm (frontend)

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## **API Endpoints**

## GET /api/coffees - Retrieve all coffee items

## POST /api/orders - Place a new order

## GET /api/orders - Retrieve all orders (for manager)

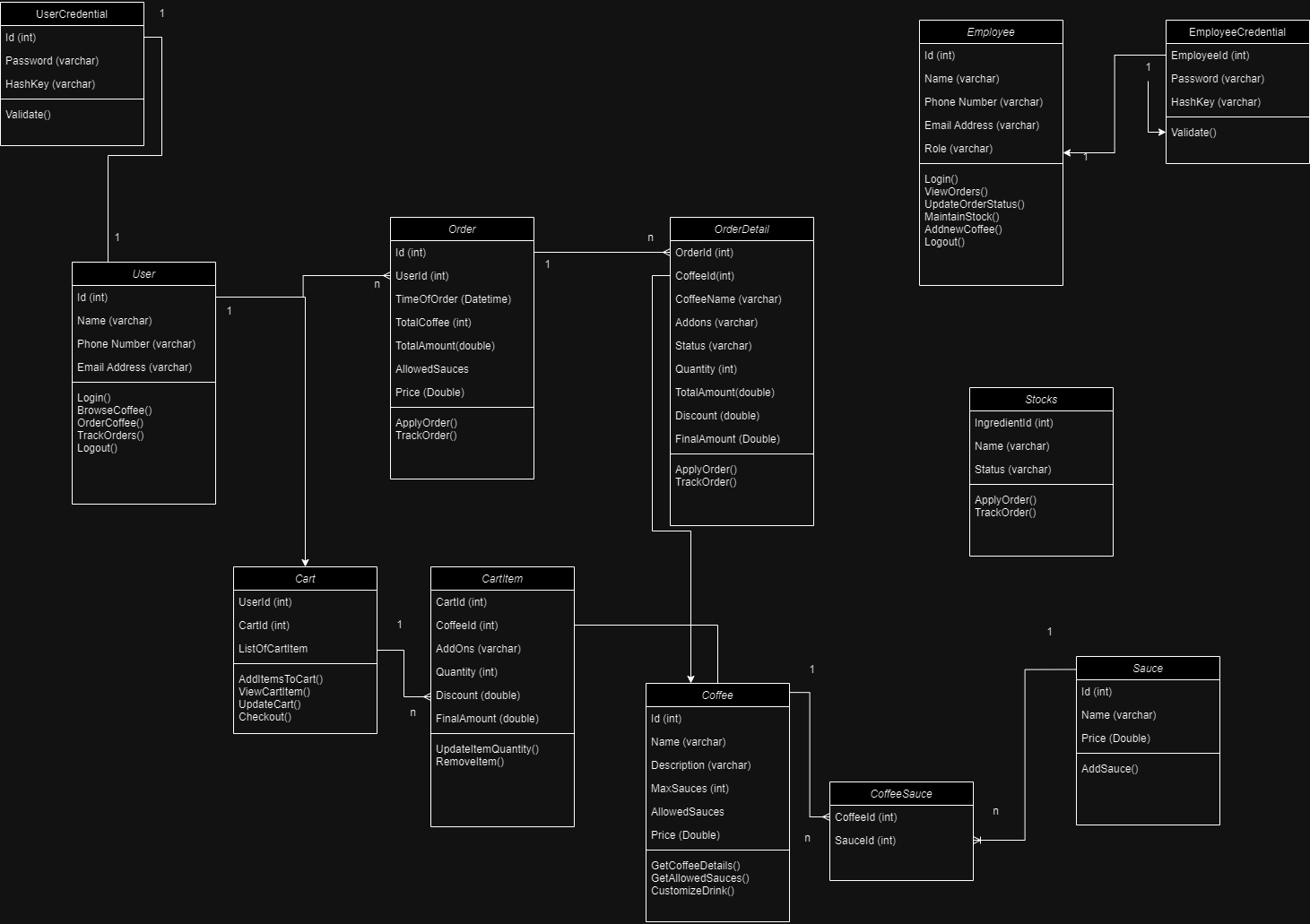
## PUT /api/orders/{id} - Update order status

## POST /api/coffees - Add a new coffee item

## PUT /api/inventory/{id} - Update inventory item status

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## **Class Diagram**



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