Functional requirements

Functional requirements are the features, capabilities, and behaviors that a software project must have in order to meet its intended purpose and satisfy the needs of its users. Here are some examples of functional requirements that may be relevant for a cake store software project:

User Authentication and Authorization: The software should have a secure and robust system for user authentication and authorization, allowing users to create accounts, login, and manage their roles and permissions based on their user type (e.g., Admin, Customer, Furnitor).

Product Catalog Management: The software should provide an interface for the Admin and Furnitors to manage the products and related information, such as adding, updating, and deleting products, setting prices, descriptions, and images, and categorizing products into different types (e.g., cakes, pastries, toppings).

Shopping Cart and Checkout: The software should allow Customers to add products to their shopping cart, view and manage the cart, and proceed to checkout. The checkout process should include options for Customers to enter shipping and payment information, calculate the total cost, and confirm the order.

Order Management: The software should provide the Admin and Customers with features for managing orders, such as viewing and updating order status, tracking order progress, generating invoices and shipping labels, and sending notifications to Customers and Furnitors on order updates.

Inventory Management: The software should enable the Admin and Furnitors to manage the inventory of products, including tracking stock levels, generating low-stock alerts, updating inventory in real-time, and automatically requesting replenishment based on predefined rules.

Reporting and Analytics: The software should generate reports and provide analytics on various aspects of the store's performance, such as sales, revenue, customer trends, and product popularity. The reports should be customizable and accessible to the Admin and Furnitors for decision-making and strategic planning.

Communication and Collaboration: The software should provide options for communication and collaboration among different users, such as messaging, notifications, and email notifications. It should also support communication between Customers and Furnitors, and facilitate issue resolution and inquiries related to orders, products, and payments.

Customer Account Management: The software should allow Customers to create and manage their accounts, including updating their profile information, viewing order history, managing wishlists, and receiving notifications on order updates and promotions.

Furnitor (Pastry Supplier) Management: The software should provide features for Furnitors to manage their products, orders, inventory, and financial transactions with the store. This may include functionalities such as product management, order fulfillment, inventory replenishment, and financial tracking.

Search and Filtering: The software should provide Customers with search and filtering capabilities to easily find and browse products based on criteria such as product type, price range, flavors, and ingredients. This can enhance the shopping experience and help Customers find the products they are interested in.