**Cake Online Shopping Platform**

**Overview**

Welcome to the Cake Online Shopping Platform! This full-stack web application is designed to provide a seamless online shopping experience for users looking to purchase a wide variety of cakes. Built using Java, JSP, and XAMPP for MySQL, this project showcases robust backend integration, dynamic frontend features, and efficient database management.

**Features**

**User Features**

* **User Registration and Login:** Secure user authentication with form validation.
* **Product Browsing:** View a diverse range of cakes with detailed descriptions, prices, and images.
* **Search and Filter:** Search cakes by name, category, or price range.
* **Shopping Cart:** Add, update, or remove items in the shopping cart.
* **Order Placement:** Place orders with real-time order tracking.
* **Order History:** View past orders and their statuses.

**Technologies Used**

**Frontend**

* **JSP (JavaServer Pages):** Dynamic web page creation and user interface design.
* **HTML/CSS:** Structure and styling for a responsive user interface.
* **JavaScript:** Interactive features and client-side validations.

**Backend**

* **Java:** Core programming language for business logic and application functionality.
* **Servlets:** Handle client requests and responses.
* **JDBC:** Database connectivity and operations.

**Database**

* **XAMPP:** Cross-platform web server solution stack package containing Apache, MySQL, PHP, and Perl.
* **MySQL:** Relational database management system for storing user data, product details, and order information.