

Simply Cindy

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Description

I made an ecommerce website for my mother to display and sell her crafts. She has been using a Facebook page but the website looks much cleaner and professional, allows her to communicate more easily (experienced issues on Facebook's end), and keeps track of current and previous orders.



Features

- User accounts
 - Admin and normal users
- Product display
- Shopping cart
- Administrator dashboard
 - Add/modify products & categories
 - View orders
- Search by category



Planning - Database

- Product - stores information about product to be displayed to customer
- User - stores user info & differentiates between admin/customer, allowing admin to log in and edit products/website and customers to purchase products
- Category - stores category name & image so admin can organize products and update image for link on homepage; connects with Product table
- Order Item - stores customized item once customer adds item to shopping cart; connects with Order Data table
- Order Data - stores order item ids and customer email so that admin can easily keep track of orders



Planning - User Stories

- Create “add item” form so admin can upload products
- Create database of orders so admin can keep track of current and completed orders
- Create form for customers to customize product (size, color, quantity, monogram, etc.)
- Create shopping cart so customers can purchase products



Technology Stack

- Java
- SpringBoot
- Thymeleaf
- MySQL
- Bootstrap (cards, interactive tables)



Demo



What I Learned

- Working with customer to gather requirements, suggest features, and fulfill expectations
- Database design - how to connect tables to each other
- Website design - using CSS to improve aesthetics
- Bootstrap - what is available to use and how to integrate it
- Additional aspects of Thymeleaf, SpringBoot, Java



What's Next

- Clean up site layout (CSS)
- Add more features like breadcrumbs (Bootstrap), search for product, and share on social media (ANSE modules)
- Set up automated emails using API (Mailjet)
- Set up payment through PayPal Developer
- Learn how to deploy website
 - Find domain name
 - Find web hosting service

