

Project: Online Music Store

Team: The ABBC's

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Approximate Project Duration: 1 week (Each sprint represents 2 working days)

Project Summary:

The online music store will provide a catalog of albums for users to browse. Users must be registered with an account in order to purchase items. Users will be able to search for items using a search bar. An admin page will be created, allowing administrators to add, edit and remove products from the online catalog. There will be a custom shopping cart and checkout page. H2 Database will be utilized.

Project Frameworks:

Backend: Spring Boot

- Lombok
- Spring Security
- JPA
- Spring Web
- H2

Frontend: React

- HTML
- CSS
- JavaScript (JS, JSX)

Sprint 1:

Sprint 1 will focus on design:

Workflow

Models

UML Diagram (see below)

ERD Planning (see below)

Design package structure for backend

- DTOs
- Repository
- Controller
- Entities
- Security

Sprint 2:

Front end framework with React

Implement API requests test with JSON responses

Approximate business logic for back end:

- Controllers
- Repository
- Entities
- DTO
- Implement Spring Security

Sprint 3:

Refine Front end functions:

- Search bar and spinner loader
- Login/logout
- Add to cart (you cannot add to cart unless you are logged in)
- Edit cart (edit and delete items in cart)
- Quantity (as a drop down)
- Cart (includes items and cost total)
- Orders/Checkout (includes card details, shipping and billing addresses)
- Implement Admin page for maintenance of product inventory

Sprint 4:

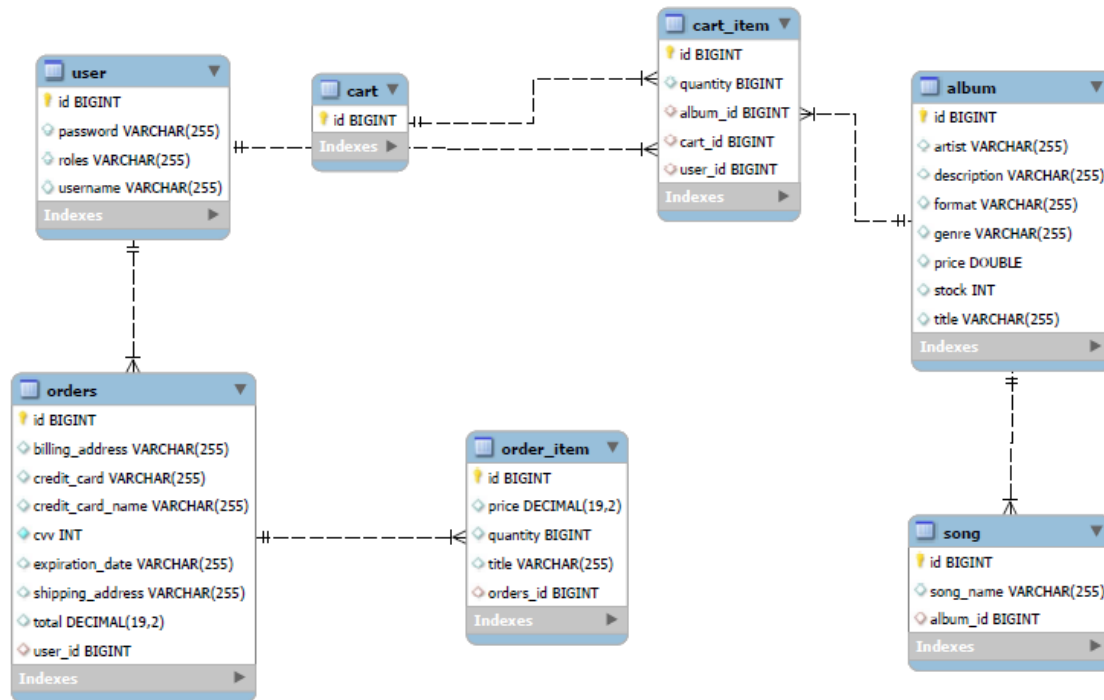
Refactoring and Refining

- Back end functions
- Styling
- Refactoring for backend
- Adjust front end design as needed

Github Links :

- Backend:
https://github.com/anita2498/Simplilearn-Capstone_Online-Music-Store_Backend.git
- Frontend:
https://github.com/anita2498/Simplilearn-Capstone_Online-Music-Store_Frontend.git

Entity Relationship Diagram



UML Diagram

