

Themed eCommerce

Learning objective: Use ASP.NET Core and React.js to build a responsive eCommerce platform where each user can promote a specific theme (e.g., sports memorabilia, paintings, drawings, etc.)

- Seller and buyer is the same User in this app

Technologies: MySQL, ASP.NET Core Web API, React.js, HTML, CSS, Axios

Total project points: /80

Total weighted points to final grade: /135

Bonus user stories will only be counted if all base user stories are completed and/or attempted

Features:

(5 points) As a developer, I want to make at least 40 good, consistent commits.

(10 points) As a developer, I want to use CSS appropriately to make an aesthetically pleasing application.

(10 points) As a developer, I want to set up my ASP.NET Core API endpoints and SQL database so that I will be able to save all information in a database.

- Models, API controllers, migrations
- Shopping Cart will need to be a junction table (many-to-many relationship). Here is some good documentation on how to do that in ASP.NET Core:
 - o <https://www.learnentityframeworkcore.com/configuration/many-to-many-relationship-configuration>

(10 points) As a designer, I want to create a wireframe and entity-relationship diagram (ERD) for my application

(2.5 points) As a developer/creator/designer, I want to take the features of a generic eCommerce platform and apply it to a specific theme (e.g., sports memorabilia, art work, flowers, books, etc.).

(12.5 points) As a user (seller or buyer), I want to be able to register an account, login, and logout.

(5 points) As a seller, I want to create a listing of a product to sell, including product name, price, description, and category.

(5 points) As a buyer, I want to search/filter for products by name or category and then see a list of available products to purchase.

(5 points) As a buyer, I want to see the details of a product, including product name, price, description, category, reviews, and average rating.

(10 points) As a buyer, I want to add, remove, and see products in my shopping cart.

(5 points) As a buyer, I want to rate a product on a scale of 1-5 and leave a review.

Bonus

As a seller, I want to see a data visualization (line chart) of the number of products I have sold by category, so that I know where to focus my resources.

As a buyer, I want to purchase the products in my shopping cart via a payment API (Stripe or PayPal API)

As a seller, I want to be able to upload a photo of a product.