

#30DaysOfCode | Backend Track

Day 29

Wolverstore III

Wolverstore is an e-commerce platform where users can buy products online. You will be implementing its backend.

The store will have some fundamental features. Implement the models and routes for entities.

Below are those features along with their data models.

ENTITY	FIELDS	EMBEDDED FIELDS	ROUTES
User	ID - ObjectID, Name - String, Email - String, Phone - String, Password - String, Usertype - String, DateCreated - Date, LastLogin - Date Verified - Boolean, Addresses - Array,	Address Street -String, State- String, City - String, Zipcode - String, Country - String Usertype [Enum] User or Admin	Create Login Get [ID] Update Delete
Product	ID - ObjectID, StoreID - ObjectID, Name - String, Quantity - Number, DateCreated - Date, Price - Number, DiscountPrice - Number Description - String, Images - Object, Category - String, InStock - Number, Variations - Array	Image Thumbnail - String Front - String, Back - String, Left - String, Right - String, Up - String, Down - String Variation [e.g Size, Color] Variant - String, InStock - String	Create Get [ID] GetAll Update Delete

Store	ID - ObjectID, UserID - ObjectID, Name - String, Email - String, Description - String, Datecreated - Date, Verified - Boolean, Suspended - Boolean, Address - Object, Category - String, Logo - String, Phone - String, Banner - String	Address Street -String, State- String, City - String, Zipcode - String, Country - String	Create Get [ID] GetAll Update Delete
Cart	ID - ObjectID, UserID - ObjectID, DateCreated - Date, Products - Array	Product ProductID - ObjectID, StoreID - ObjectID Name - String, Quantity - String, Price - Number	Create Get [ID] Update Delete
Order	ID - ObjectID, CartID - ObjectID ReferenceID - String, Customer - Object, Date - Date, ShippingAddress - Object, Status - String, Paid - Boolean	Customer UserID - ObjectID, FirstName - String, LastName - String, Phone - String, Email - String Status [Enum] Sent, In-transit, Delivered ShippingAddress Street -String, State- String, City - String, Zipcode - String, Country - String	Create Get [ID] GetAll [Fetch] Update Delete
Review	ID - ObjectID, ProductID - ObjectID, Customer - Object Verified - Boolean DateCreated - Date Rating - Number Store - Object	Customer UserID - ObjectID, FirstName - String, LastName - String, Phone - String, Email - String Store StoreID - ObjectID, Name - String	Create Get [ID] GetAll [Fetch] Update Delete

NOTE

- >> Required fields are decided by you
 - >> A store cannot exist without a user
 - >> A product cannot exist without a store
 - >> A product cannot be bought if there is none in stock
 - >> Only an admin user can create a store
 - >> Only a normal user can order products [not store owners]
 - >> Every cart must expire 24 hours from creation [Check MongoDB TTL index, Mongoose expiry]
 - >> Reference ID should be generated using the first 3 letters of Store name, first 3 letters of user's name and date
 - >> Rating should not exceed 5.0 and should be 1 decimal place
 - >> Use try catch blocks and asynchronous calls
 - >> All middleware [Auth, Logs, CORS... should be maintained]
 - >> Do not deploy this server on heroku but maintain your cloud MongoDB instance.
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- >> This is a 3 day task so take your time
 - >> Submit each day for review and suggestions
 - >> Each day's submission should contain at least two completed entities