#30DaysOfCode | Backend Track

Day 28

Wolverstore II

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.**

>> **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**