MongoDB Assignment – E-Commerce Store

## PART A – Insert & Model Data

### A1. Insert 3 Products

Create 3 product documents with:

* Embedded object: specs
* Array: tags
* Array of objects: ratings

At least one product must have all fields populated.

### A2. Insert 2 Users

Each user must contain:

* address object with city and pincode
* wishlist: Array of product names or IDs
* cart: Array of objects with productId, quantity

### A3. Insert a Minimal Product

Insert a product with only required fields like name, brand, price, and available.

## PART B – Read Operations (Queries)

### B1. Find all products with specs.ram = "16GB"

### B2. Find all products that have the tag "gaming"

### B3. Find products where a rating exists with userId = "u001"

### B4. Find products that do ****not**** contain the tag "work"

### B5. Find users from "Chennai" whose wishlist includes "Laptop Pro 15"

### B6. Find users who have "Laptop Pro 15" in their cart using cart.productId

### B7. Find products where the specs.camera field is ****missing****

### B8. Find all products with more than one rating

## PART C – Update Operations

### C1. Add a new rating to "Laptop Pro 15" using $push

### C2. Add "editor-pick" to tags only if not already present

### C3. Remove the tag "work" from "Laptop Pro 15"

### C4. Update all products with brand "DevByte" to "ByteForge"

### C5. Remove the camera field from all products

### C6. Update the address pincode of user "u001" to "600002"

### C7. Add the field processor = "Snapdragon 8 Gen 2" to a mobile's specs

## PART D – Delete Operations

### D1. Delete one product that is not available (available = false)

### D2. Remove the review field from all rating objects in all products

### D3. Remove the rating of userId = "u001" from "Laptop Pro 15"

### D4. Remove "Laptop Pro 15" from all users' wishlist

### D5. Delete users from Chennai who have an empty cart