E-Commerce Use Case Diagram

Admin

- Add New Sneakers
- View Report
- Proceed the order and take care for shipping

Customer

- Create Account
- Search Product
- Place Order
- Track Delivery
- Post Feedback

User
- email
- password

Customer

Product
- name
- description
- price
- color

Category
- brand

Shipper

Address
- country
- city
- street
- address
- zipCode

OrderProduct
- quantity

Image
- url

Order
- status
- total
- orderDate
- shippedDate
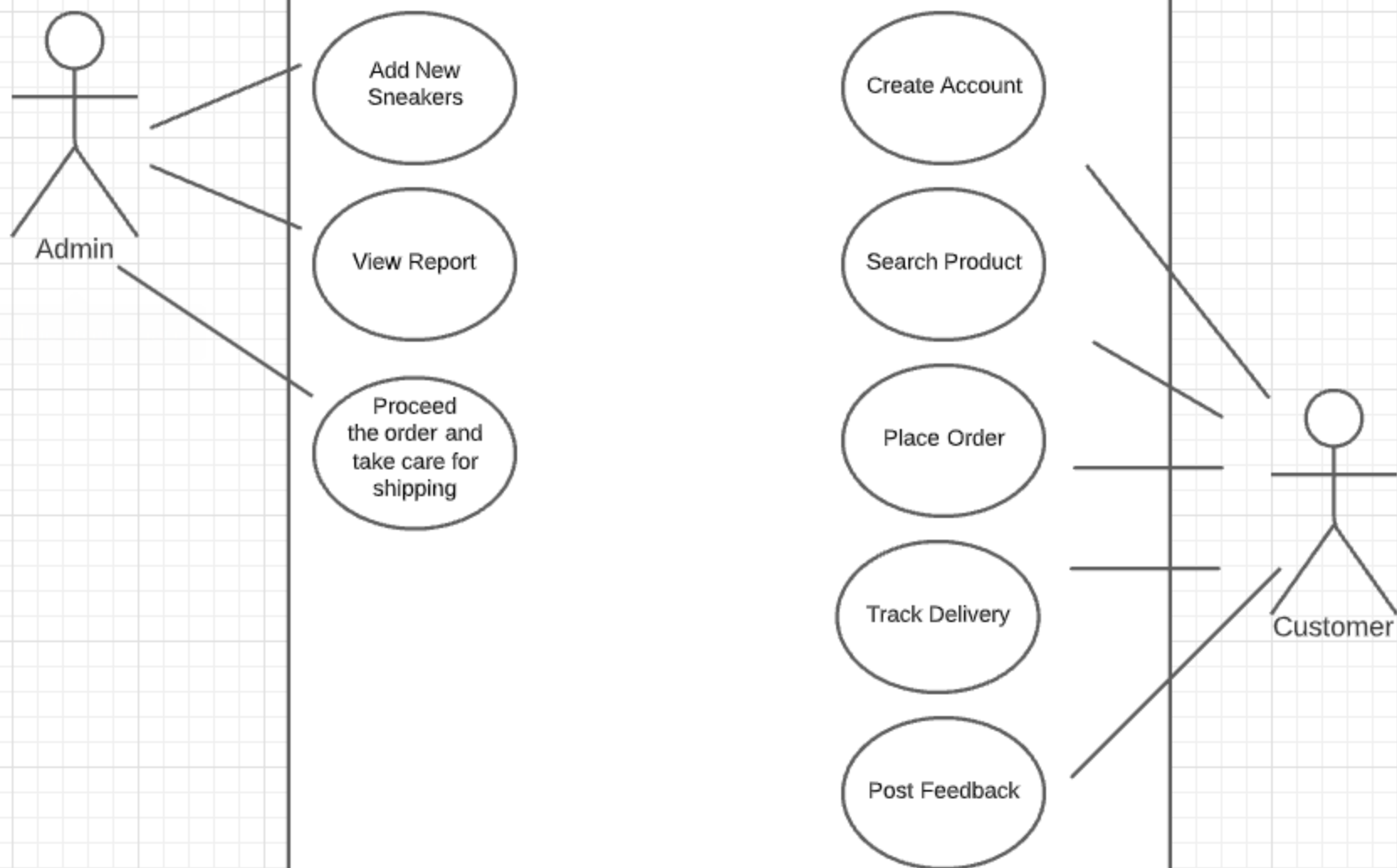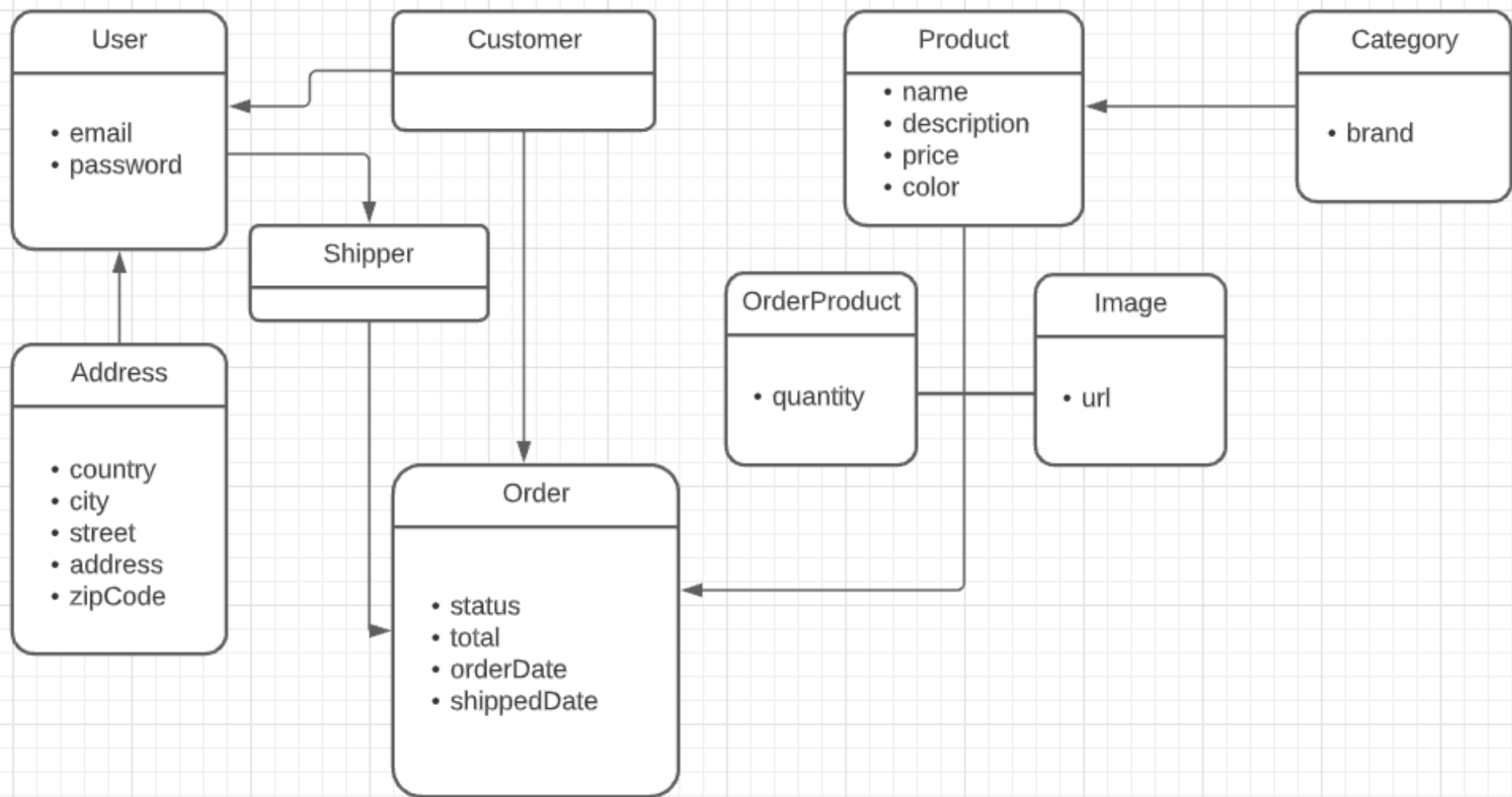
Overview:

1. Authentication: User can signup/login/logout

2. Items for sale: User can view lists of items for sale and search by name, filter by price.

3. Shopping Cart: User can add items to shopping cart and the app remembers it next time you login. User can view all the items in their shopping cart. User can delete items in the shopping cart. Shopping cart uses an integer column to store "state".

4. Checkout: User can fill in form and submit billing info. After submitting billing info, items in the shopping cart will move to a different "state".

Authentication:

Registration:

1. Create a signup page

2. Form (email, password)

3. "Submit" button

4. Register creates a new user

Login:

1. Create a login page

2. Form (email, password)

3. "Submit" button

Authenticate:

1. If the user is logged in, show the page

2. If not, redirect the user to the login page

Logout:

Items

1. Create a new item model with the following fields:

   - Name

   - Description

   - Price

   - Color

Shopping Cart / Order

1. Create a new model called Order

   - In shopping cart

   - Purchased

   - Shipped

Payment Form

1. Create a new route and template for payments
2. Create a form that allows the user to enter billing info
3. On submit, the order ID status changes to purchased