Understand E-Commerce Domain

- Our Domain: E-Commerce
- Understand Domain and Decompose small pieces
 - Use Cases
 - Functional Requirements

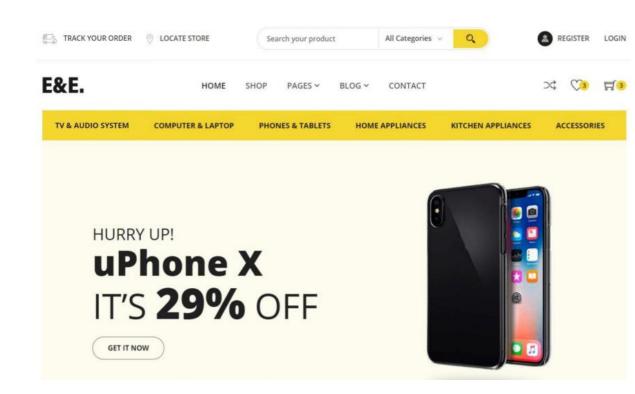
Identify steps;

- Requirements and Modelling
- Identify User Stories
- Identify the Nouns in the user stories
- Identify the Verbs in the user stories



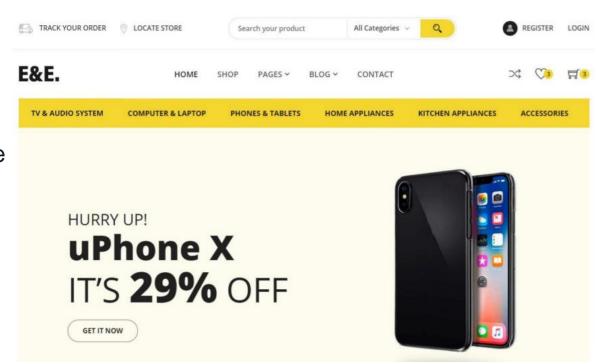
Understand E-Commerce Domain: Functional Requirements

- List products
- Filter products as per brand and categories
- Put products into the shopping cart
- Apply coupon for discounts and see the total cost all for all of the items in shopping cart
- Checkout the shopping cart and create an order
- List my old orders and order items history



Understand E-Commerce Domain: User Stories (Use Cases)

- As a user I want to list products
- As a user I want to filter products as per brand and categories
- As a user I want to put products into the shopping cart so that I can check out quickly later
- As a user I want to apply coupon for discounts and see the total cost all for all of the items that are in my cart
- As a user I want to checkout the shopping cart and create an order
- As a user I want to list my old orders and order items history
- As a user I want to login the system as a user and the system should remember my shopping cart items

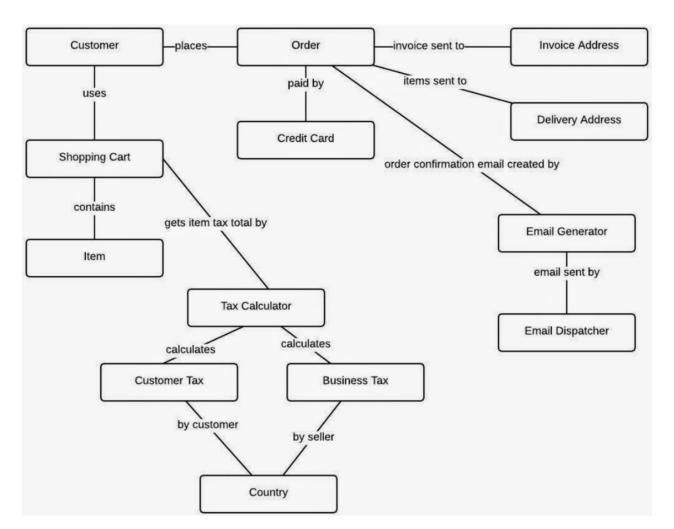


Analysis E-Commerce Domain - Nouns and Verbs

- As a user I want to list products
- As a user I want to be able to filter products as per brand and categories
- As a user I want to see the supplier of product in the product detail screen with all characteristics of product
- As a user I want to be able to put products that I want to purchase in to the shopping cart so I can check out
- As a user I want to see the total cost all for all of the items that are in my cart so that I see if I can afford to buy
- As a user I want to see the total cost of each item in the shopping cart so that I can re-check the price for items
- As a user I want to be able to specify the address of where all of the products are going to be sent to
- As a user I want to be able to add a note to the delivery address so that I can provide special instructions
- As a user I want to be able to specify my credit card information during check out so I can pay for the items
- As a user I want system to tell me how many items are in stock so that I know how many items I can purchase
- As a user I want to receive order confirmation email with order number so that I have proof of purchase
- As a user I want to list my old orders and order items history
- As a user I want to login the system as a user and the system should remember my shopping cart items
 Mehmet Ozkaya

Analysis E-Commerce Domain - Nouns

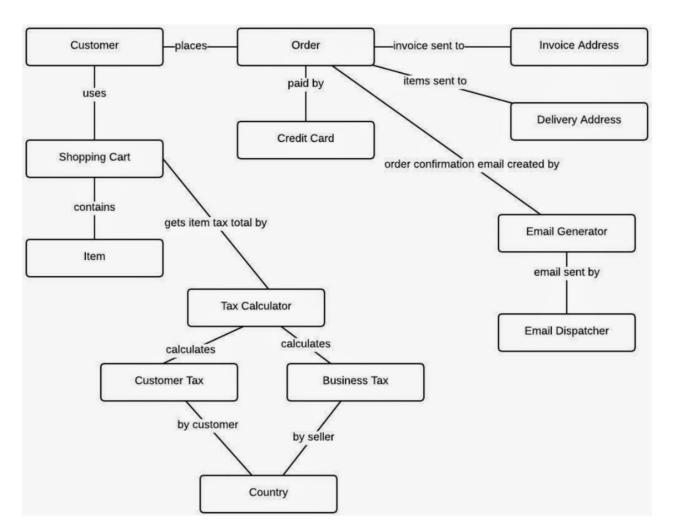
- Customer
- Order
- Order Details
- Product
- Shopping Cart
- Shopping Cart Items
- Supplier
- User
- Address
- Brand
- Category



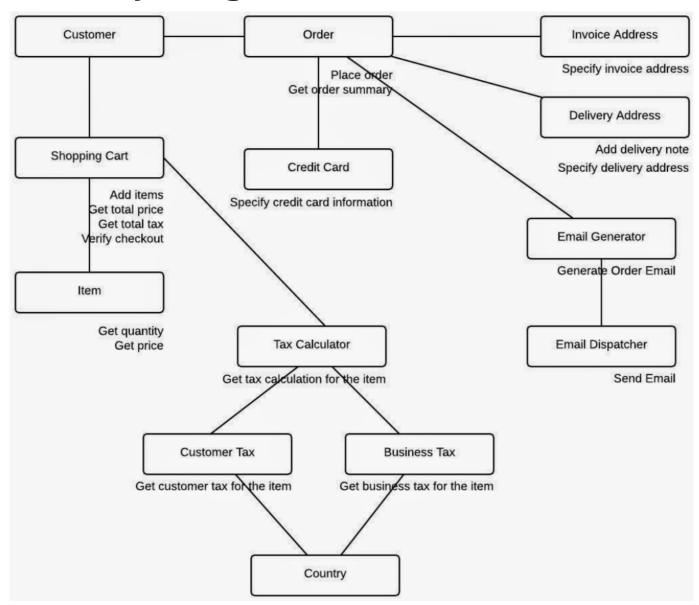
Analysis E-Commerce Domain - Verbs

Login the system and remember the shopping cart items

- List products applying to paging
- Filter products by brand, category and supplier
- See product all information in the details screen
- Put products in to the shopping cart
- See total cost for all of the items
- See total cost for each item
- Checkout order with purchase steps
- Specify delivery address
- Specify delivery note for delivery address
- Specify credit card information
- Pay for the items
- Tell me how many items are in stock
- Receive order confirmation email
- List the order and details history



Object Responsibility Diagram



Identifying and Decomposing Microservices for E-Commerce Domain

