Module #2: Microservices - Architecture

Case Study

edureka!

edureka!

Case Study

Problem Statement

A new age e retailer SunHome.com is looking to build a ecommerce website. This scenario focuses on building microservice for shopping cart functionality which can be used with various user interfaces like web, mobile and voice enabled Alexa. Design a Microservice architecture based Shopping cart solution.

Shopping cart should have following functionality

1) Product Catalogue
2) Price
3) Stock
4) Build a Recommendation based on items in shopping cart

You have a functional shopping cart except the point of checkout.

Solution Hints:

Apply the various rest and Microservice principals we have gone though. Consider you have web front end available to user to place the requests, you do not need to design that. Your focus area should be to identify the business functional and entities and their interactions.

- ✓ You will search the catalogue
- ✓ Select a product
- ✓ Check its price
- ✓ Add it to the cart
- ✓ Recommend similar products based on what is added to the cart.

Solution Deliverable

Outcome should identify all business entities and their communications. Break the business functions in appropriate Microservice and define the communication style between them.

Finally you should depict all this though a single diagram (e.g. we used Taxi Service in module)