



AI Evaluation of Building Blocks in E-Commerce Platform

Let AI evaluate your understanding of building blocks through the abstract system design of an E-Commerce platform.

We'll cover the following ^

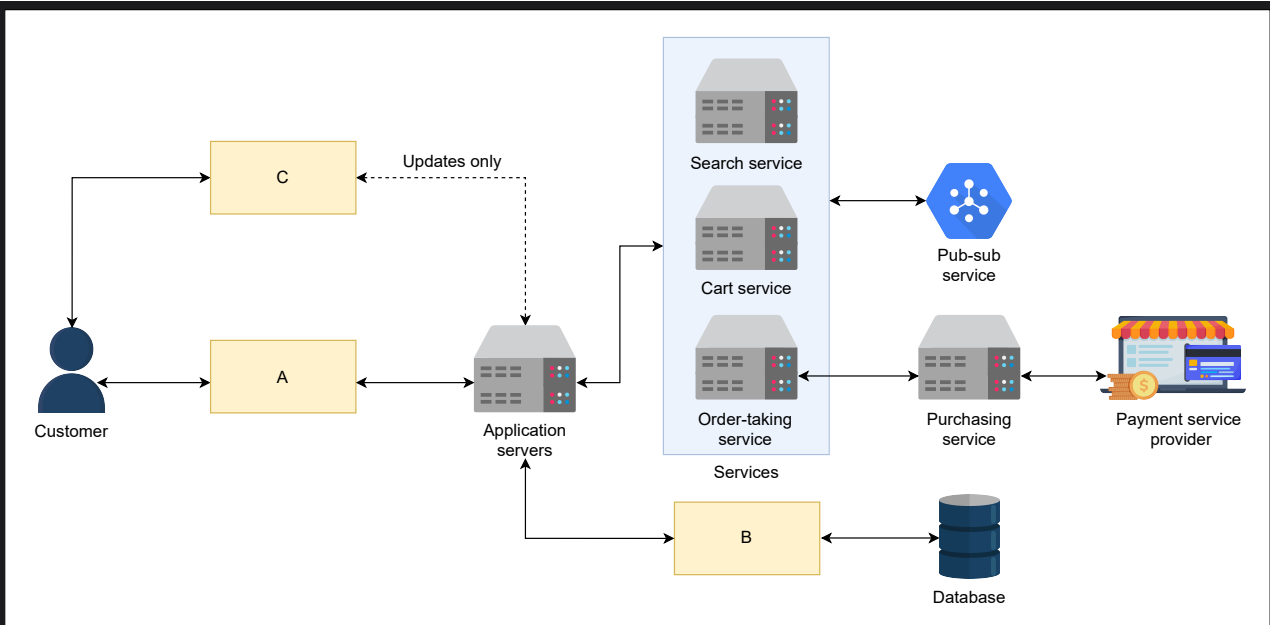
- An e-commerce platform

In this lesson, we will assess our understanding of building blocks using an AI interactive widget. Let's begin!

An e-commerce platform

Consider an abstract and simplified system design for an e-commerce platform outlined below. The design comprises various components that collaborate to execute diverse tasks. The customer engages with multiple services such as search, shopping cart, and order-taking services. While details for each component and service in the design have been provided, some missing components are not described. Your objective is to identify these missing components and concisely describe their functions using the AI interactive widget given at the end of the lesson.





A high-level design of the e-commerce platform

Different components in the design are described below:

1. **Application servers:** They provide middleware services by facilitating communication between different components of an application. They also forward user queries to the respective services.
2. **Search service:** This component handles search queries requested by users.
3. **Cart service:** This service handles the shopping cart where the customers select different products to purchase.
4. **Order-taking service:** This service initiates customer orders, triggering the purchasing service upon the user's request.
5. **Payment service provider (PSP):** The PSP handles payment transactions securely, interacting with external payment gateways.
6. **Database:** It stores the user and product information, such as images, prices, descriptions, and other metadata permanently.



Your task is to determine the missing components A, B, and C in the above design. You need to provide your answer in the correct order (A, B, and then C) along with a concise description.



💡 Want to know the correct answer?



Find the missing building blocks in the e-commerce system design.



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Provide your answer here!

