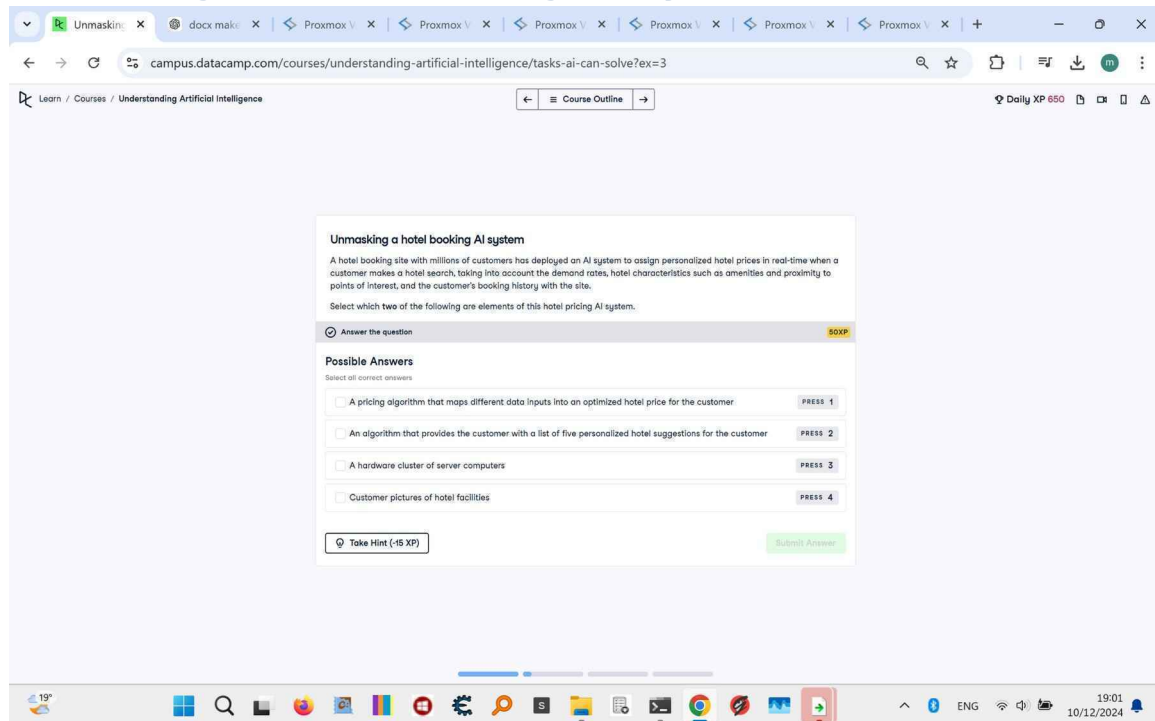


# Unmasking a Hotel Booking AI System - Final Answer



## Question

A hotel booking site with millions of customers has deployed an AI system to assign personalized hotel prices in real-time when a customer makes a hotel search, taking into account the demand rates, hotel characteristics such as amenities and proximity to points of interest, and the customer's booking history with the site.

Select which two of the following are elements of this hotel pricing AI system.

## Solution

**\*\*Correct Answers:\*\***

- A pricing algorithm that maps different data inputs into an optimized hotel price for the customer
- A hardware cluster of server computers

## Explanation

1. **\*\*A pricing algorithm:\*\***

- This is the core software component of the AI system. It uses data inputs such as demand rates, customer booking history, and hotel features to determine an optimized price for the customer.

2. **\*\*A hardware cluster of server computers:\*\***

- This is part of the system's infrastructure. The hardware cluster supports the processing and storage needs of the AI system, enabling it to handle millions of users and perform real-time computations effectively.

Other options, such as customer pictures or personalized suggestions, are not fundamental elements of this specific AI system.