Example Quiz

Consider a simplified social media application that consists of the following software components:

- **User Profile Component**: Manages user information, profile creation, and updates.
- **Post Management Component**: Handles creating, deleting, and editing posts and content.
- **Friendship Management Component**: Manages friend requests, friend lists, and related operations.
- **Messaging Component**: Handles direct messages between users.
- **Notification Component**: Manages notifications related to posts, friend requests, and messages.

Example Quiz

Which of the following statements is likely accurate regarding the dependencies between these components?

A. The Messaging Component depends on the Post Management Component to send messages.

B. The Notification Component depends on the Friendship Management Component to notify users of new friend requests.

C. The User Profile Component depends on the Messaging Component to update user profiles.

D. The Post Management Component depends on the User Profile Component to create posts.

Example Quiz

Match the file to the corresponding Deployment Diagram parts – Artifact or Node

BackendAPI   **Artifact**

Google App Engine   **Node**

SmartPhone   **Node**

WebApp   **Artifact**

Example Quiz

Scenario: You are developing an application that simulates public travel trends. Each country in the system has a name, size, and can write laws. Each country also owns different landmarks, which have different names and popularity levels. The landmarks must be cleaned and restored over time, and **cannot move between countries**. Countries are also inhabited by people, who have a name and health level. They are able to talk to other people. Tourists are a type of person, with the additional ability to visit landmarks. Which is the correct DCD?