Chapter 4: Patterns (Part 2)

Polymorphic Pattern

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Correct Option:

- The organization acquired different companies over the years, serving the same markets with the same customers and there is a requirement to merge all systems into one.

  The above is the correct answer. It is the single view use case we described in the lesson. The databases from the different acquired companies are likely similar and the polymorphic pattern applies very well in this situation.

Incorrect Options:

- There is a requirement to keep many versions of a document, and these versions may have different fields for each version.

  The Document Versioning Pattern is a better fit for this requirement. This pattern utilizes the polymorphic aspect of the document. However, we suggest a different implementation for this pattern, using two collections to store the different versions of the documents.

- The application has a base class with some derived classes.

  This requirement may lead to using the polymorphic pattern. However, there are some other requirements to meet. For example, do different objects need to be queried together? Since we do not have enough information, this option is incorrect.

- There are billions of documents.

  This is not enough to dictate the use of any pattern.

- There is a requirement to store addresses for my customers.

  If the customers have addresses in different parts of the world, then this pattern would be helpful. However, this has to be a specific requirement, and since it is not mentioned in this case, then this option is incorrect.

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