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Solution: 17 at: Some things case clearly properties of the Conceptual Class. For a book, things like the title, author, data of publication and publishes are probably conceptual. They will be independent of any physical realisation of that book. You example, there are many copies of Tolstoy's "war and peace" in existance, in many different formats, but all share the same fundamental properties.

The bottom-fevel Classes must be Concrete, otherwise no instances will be ever be created that exhibit the defined behaviour.

In a library, the shelf location and bar-code number are properties of the physical book.

Jess Stocket forward Cases are properties like the format (shape, size, binding) of the book. These are clearly "concrete" properties.

However there are many different copies of each of these formats.

We may have to institute a number of different classes to represent book information.

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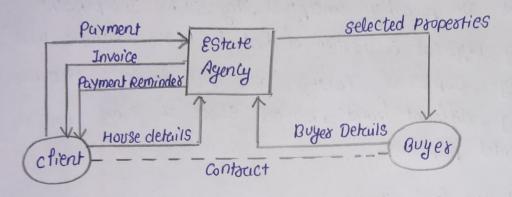
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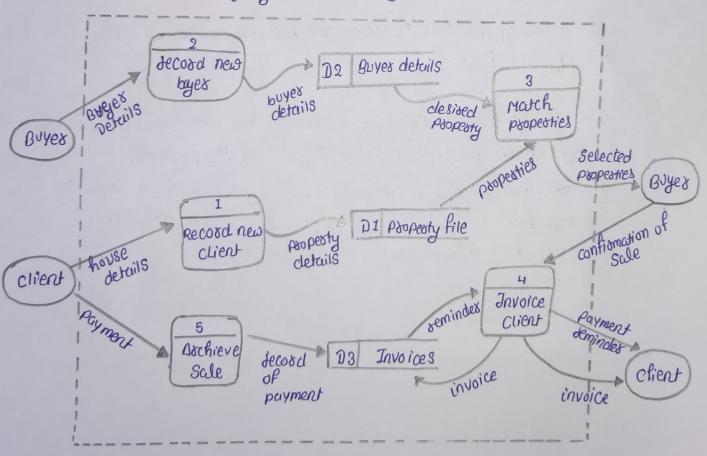
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Solution: 17 b7
Estate Agency Data Row Diagram (Context Level):-



Estate Agency Data flow Diagram (Level 1)



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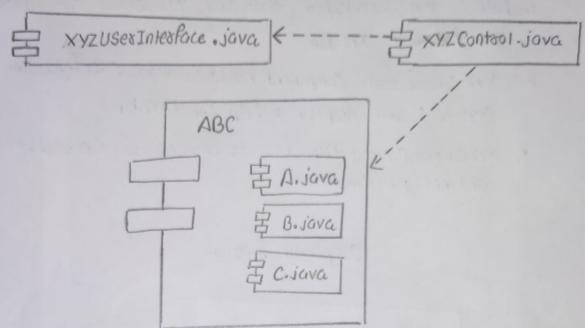
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Solution 27 i7.



are representing two classes XYZ User Interface and XYZ Control respectively

=7 ABC components has 3 classes A, B and C and each of them are implemented by (·java) file.

>> XYZControl has a dependency on the ABC Component and XYZUSESInterface Component.

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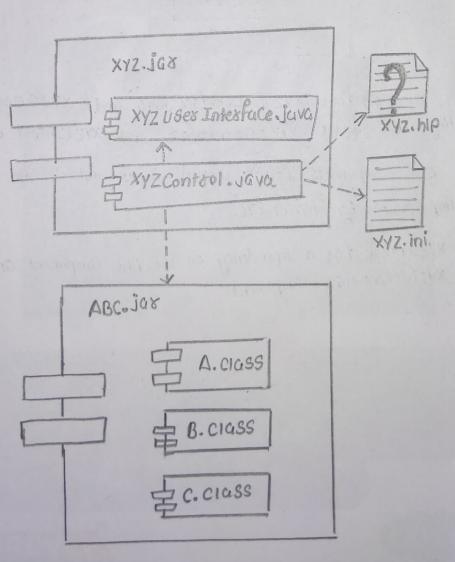
Solution 27 ii7

XYZUSEVInterface class and XYZ Control are grouped into 1. both jas file say XYZ.jas.

XYZ Control. class component needs to read a Configuration file (XYZ.ini) and display a help file. (XYZ.hlp)

3. XYZ Control (java) file has dependencies on XYZ userinterface java and ABC. jax Component

Component Diagram:



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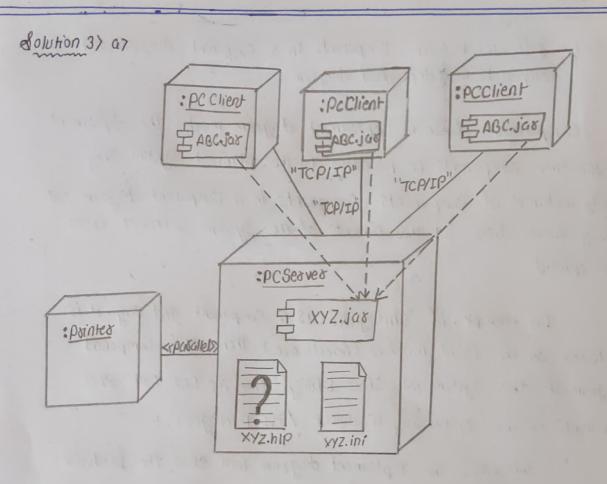
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- → De pluyment diagram
 - =7 3 nodes are three client pcs, a server PC and a printer.
- =7 Client pc contains ABC jax Component
- => Server pc contains xyz.jax Component with Configuration files xyz.ini and xyz.hip.
- => CUSO ABC.jax component has dependencies on the XYZ.jax components
- => Communications between clients and Server are following TCP/IP
 Protocols.
- ⇒ Printer is parallely connected to server.

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Solution: 37 by Difference between Components in a component diagram and components in a deployment diagram.

Components shown in deployment diagram model the deployment of Jun-time components on processor in the planned System. They are normally instances of Components. Components in a Component diagram are usually source files or other elements of the System Software under development.

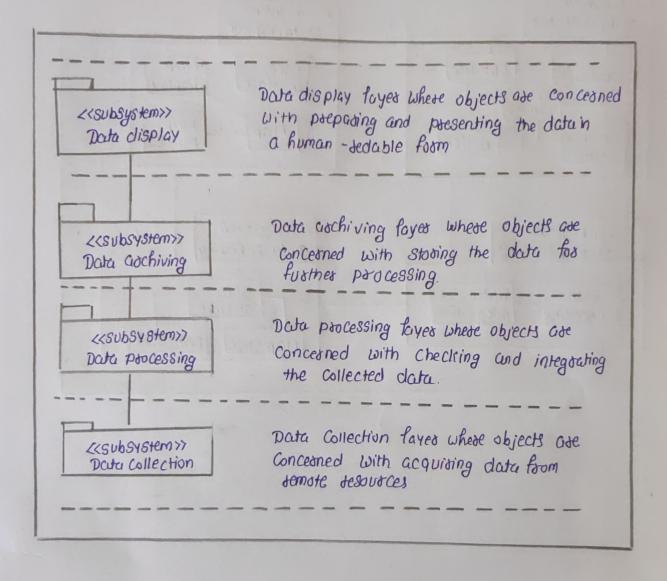
for example, if "ubility.dll" is a component and say it is deployed on the client machine Chardwade? Then, the Component dia gram of this system will show utility and its link with other Components in the System 8ay (Customer 1901 Packages). b

whereas, the Deployment diagram will show the hoodware Configuration - DB serves / web ' Serves / Client Machine and Utility Component will be Placed into Client machine.

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Solution: 47 it Layered architecture for above weather mapping system.



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Solution 47 ii>

