

Demystifying Networking
Department of Computer Science and Engineering
Indian Institute of Technology, Bombay

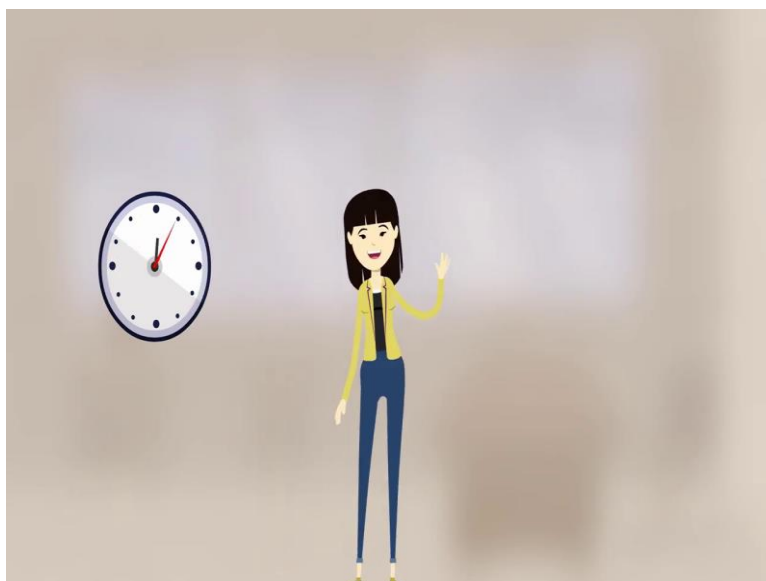
Lecture – 53
Analogy for week 3

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Hey there folks, I hope you remember the Manali trek because this video takes up from there.

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As time has passed, Navneet a new energetic and talented manager has been inducted into adventure travels private limited.

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Her first client is a big group of participants, who have just finished a hectic conference in Mumbai.

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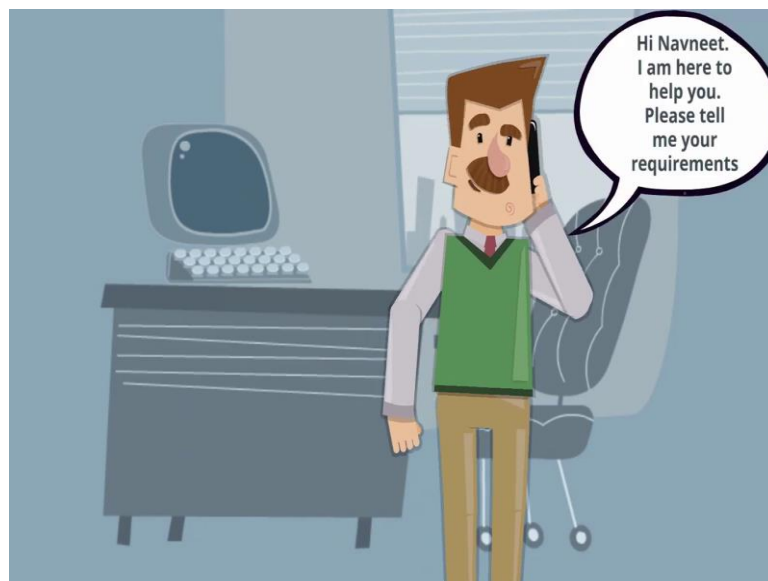
They are heading now to Manali for exciting new adventure, amidst nature and snow clad mountains. This is the first of a kind big group client for this company.

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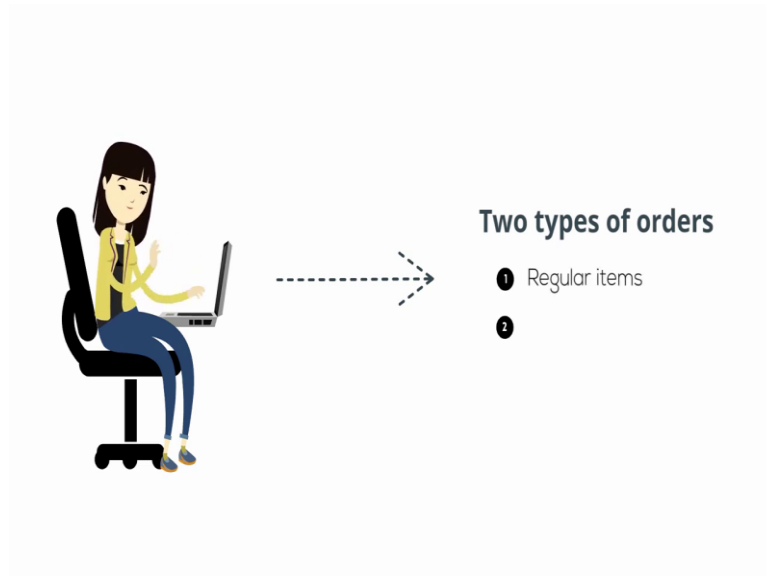
And Navneet contacts sports equipment inc.

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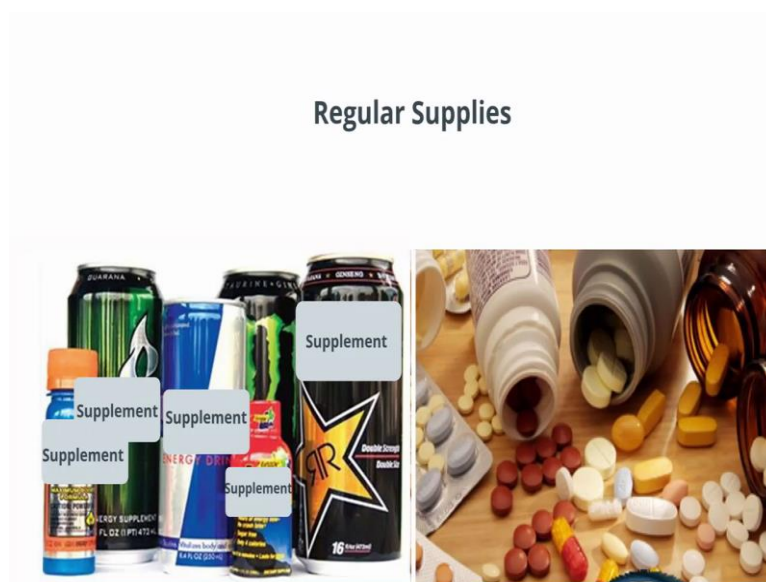
Our trusted manager, Amir is there to assist her regarding the order.

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Navneet makes a request for two types of orders. First, there are regular supplies which consists of consumables like nutritional supplements and equipment for participant's personal use.

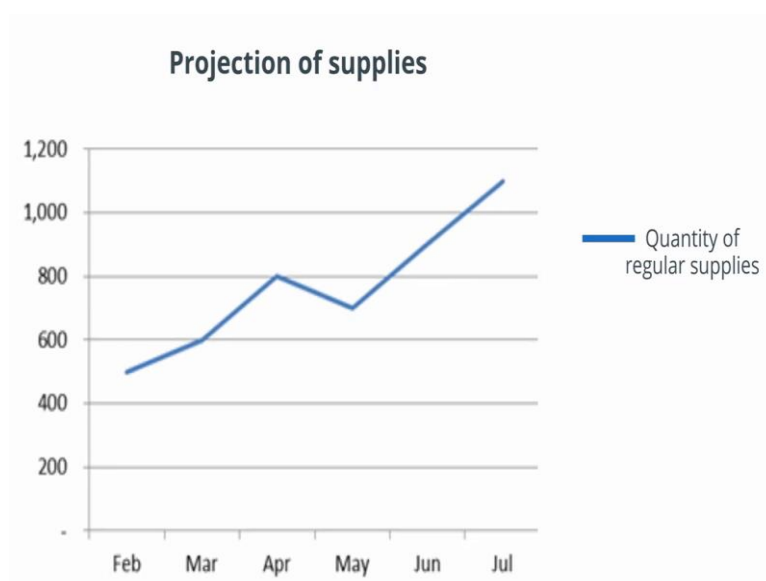
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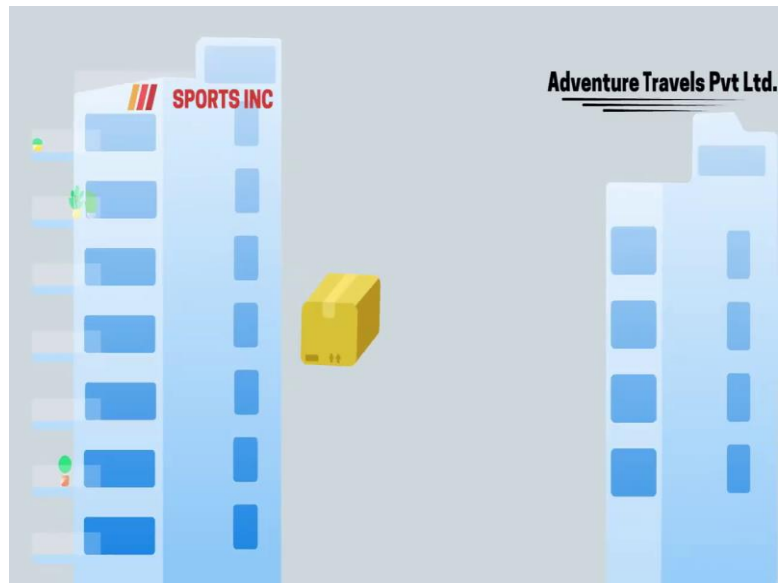


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The company has a projection of how many items they need every month and they order a few surplus.

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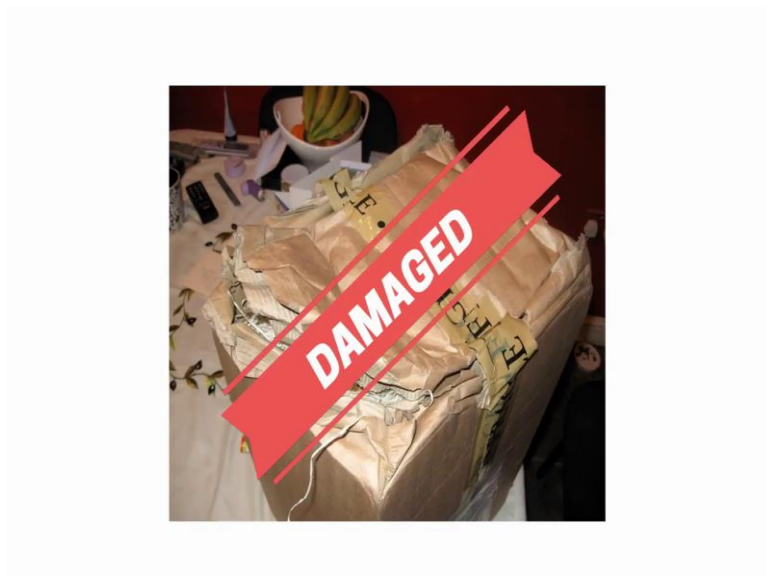
The supply needs to be maintained consistently and delays of entire orders are not tolerable.

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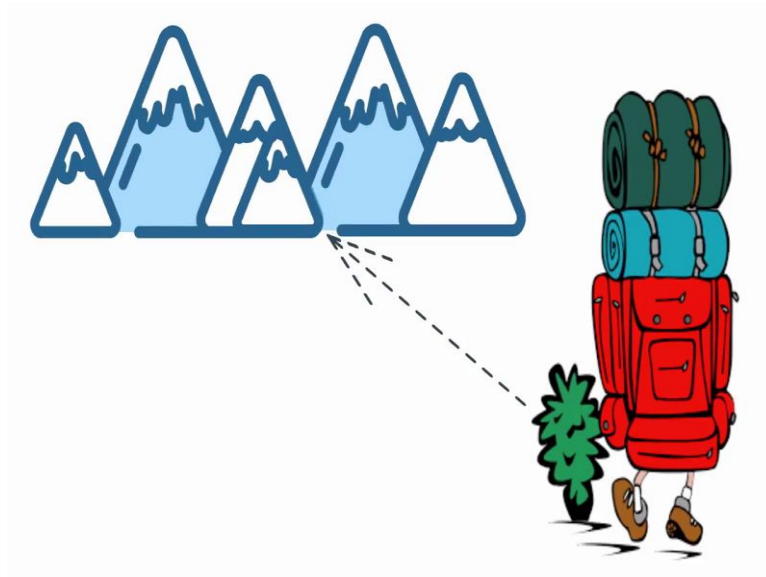


However, there are no valuable items that need care and even if a few get damaged or go missing the later shipment, but still not stall the events of the trip.

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However, the group has more requirements as they intend to trek into a few snow clad peaks. This will need some specialized equipment like big tents and portable communication equipment, which Navneet's CEO feels is a worthy investment.

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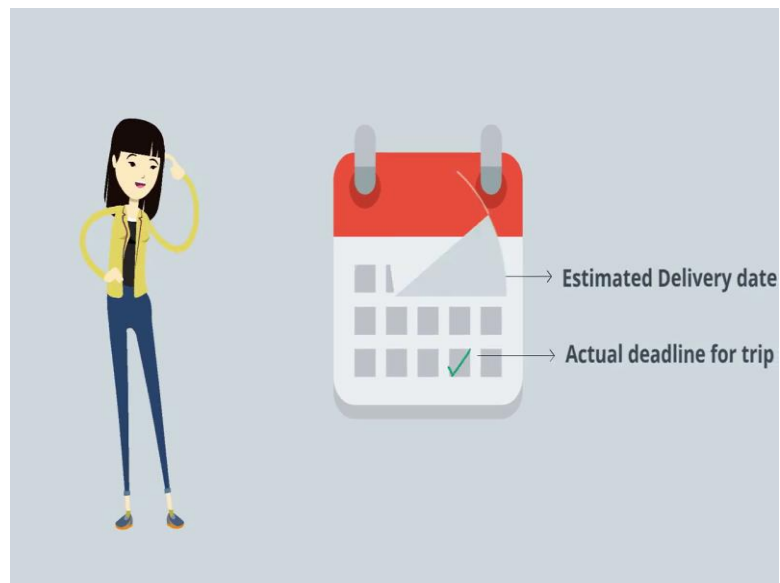


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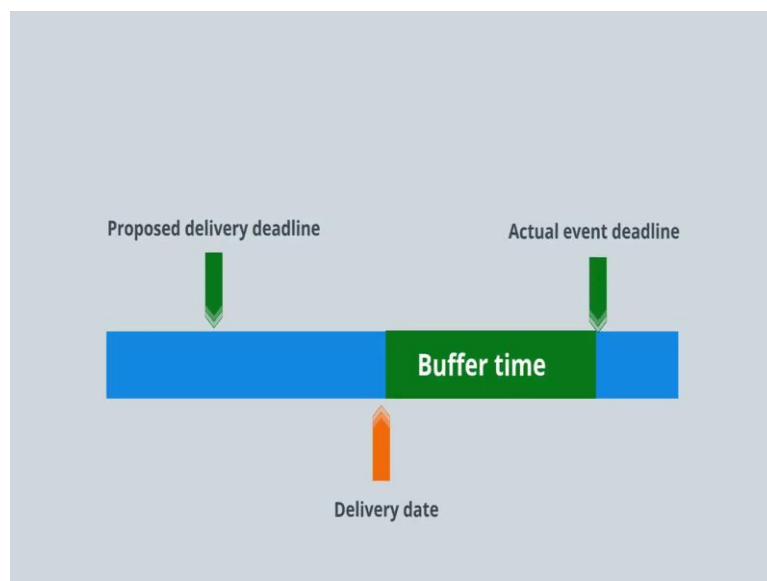
Unlike the regular supplies, these are costly and a huge one time investment for the company.

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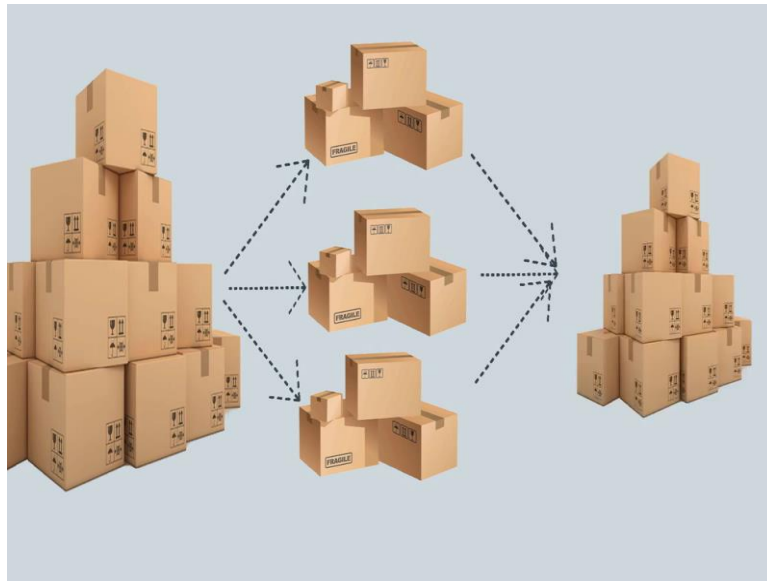
Navneet has kept a reasonable time buffer before placing the order.

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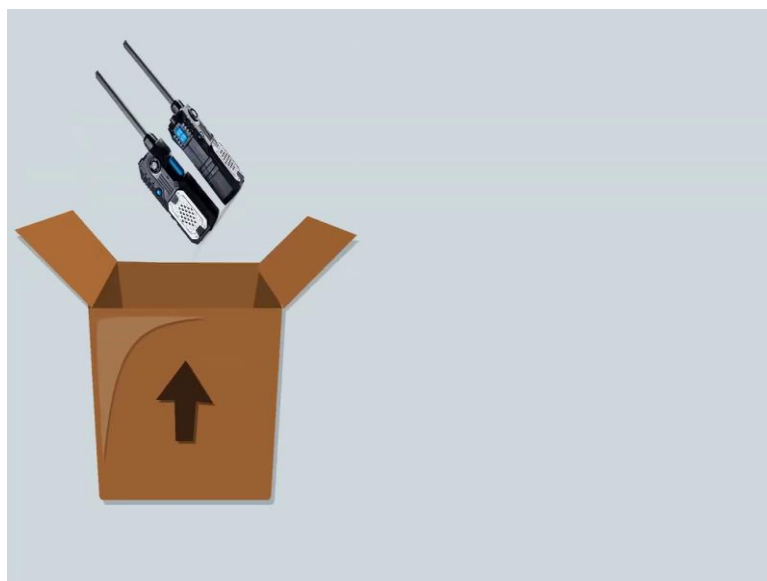
So, even if the entire shipment gets delayed, it will be in time for the event.

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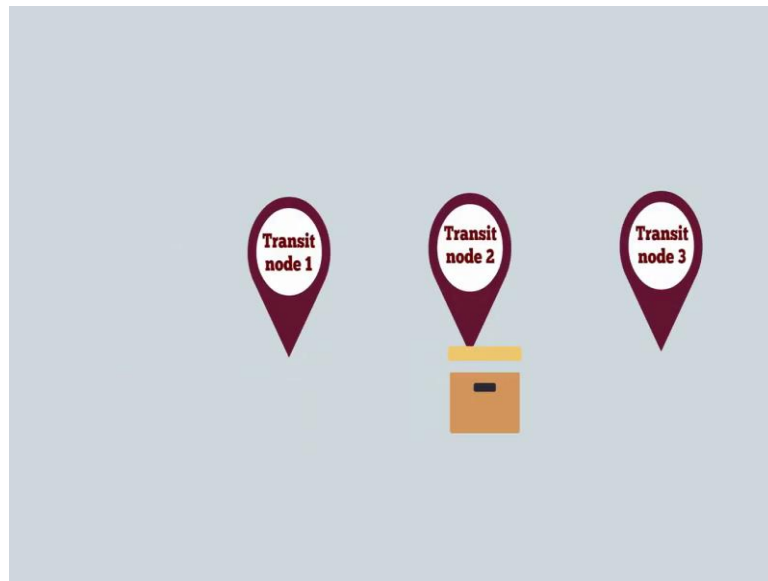


These supplies have to be delivered in good condition without missing any parts.

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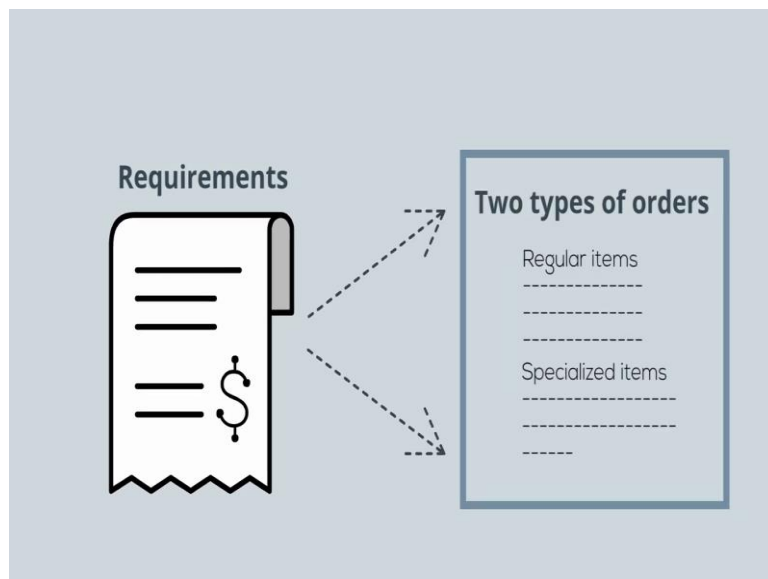


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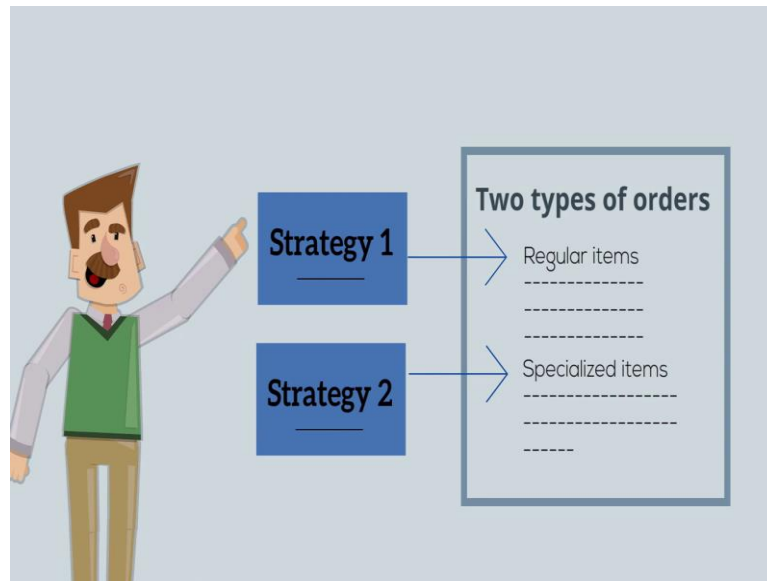


They will have to be packed securely and will have to be checked at every transit node.

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Based on these requirements, the two types of orders Navneet has placed. Amir will have to device different ways to handle both the orders. So that is the situation. Now, it is time for some questions.