3.10 Once you have got a basic set of use cases reflecting the main tasks in the system, what might make you decide to create a new use case linked to one of the basic use cases by an «include» relationship?

3.11 Under what circumstances would you consider creating a new use case and linking it to an existing use case with an «extend» relationship?

3.12 James Barlow is a recently graduated software developer. He and his wife, Caitlin, have just set up their own business, Barlow & Barlow. They have been asked by a video rental company, View Us, to convert their rather antiquated computer system to something more modern. Barlow & Barlow have decided that an object-oriented system will be just the ticket. James has just spent a morning rather nervously observing what goes on at View Us as customers and employees go about their normal business. James jotted down the sequence of events that he observed, hoping to make sense of it later.

a James' notes are written as a long undivided list of events. Your first job is to separate the list of events into scenarios. Having done that, work out what the use cases will be. Finally, draw a use case diagram to model what happens at the video rental business, View Us.

- Lucy comes into the shop
- She finds two videos she wants to borrow
- She takes the empty video covers to the counter and says she wants to borrow them tonight
- She presents her membership card
- Phil, the assistant, finds the videos
- He scans the barcode on the membership card
- Lucy's details come up on the screen
- Phil checks that Lucy still lives at 6 Privet Drive
- He sees that she has no videos outstanding and does not owe View Us any money
- He scans the barcodes on the videos and hands them to Lucy
- Phil takes the money for the rental and says Lucy must return the videos by 8pm the next evening
- Lucy leaves the shop with the videos
- Ian comes into the shop
- He finds a video he wants to borrow for one night
- He takes the video case to the counter
- Phil asks for his membership card