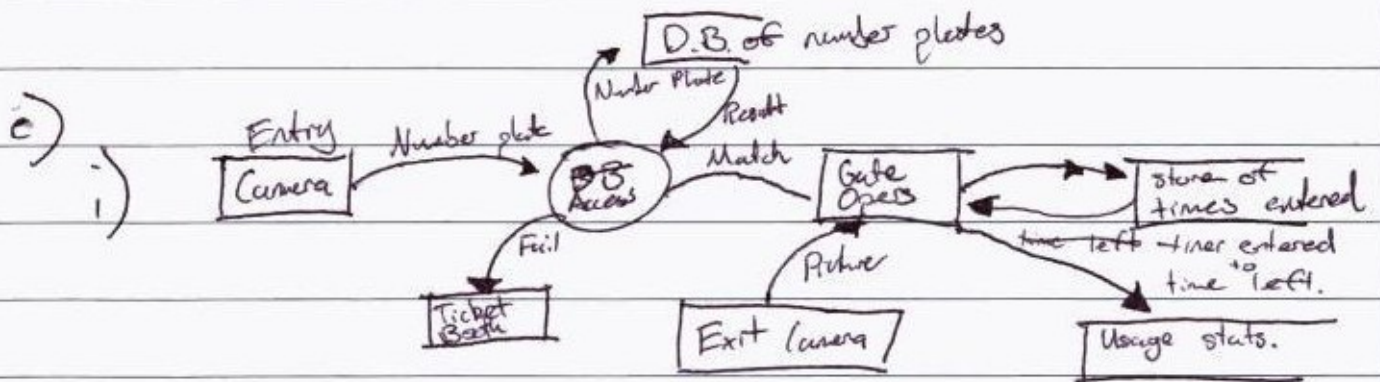


Start here.

- a) i) an RFID tag ~~is~~ ~~uses~~ ~~magnetic~~ tag is a security item that is attached to items in stores, they activate the sensors at the door if they have not been paid for.
- ii) A transaction log keeps record of all the transactions that take place within a processing system. They are used as a form of keeping track of all occurrences in the system for reference if there is a discrepancy.
- b) i) A library checking books out of the system so a customer can borrow the book is an example of real time processing. The librarian would take the book off the customer, scan it into the system as being borrowed to a specific customer. If this was not done in real time processing as the customer went to leave the library it would set off alarms due to the book not being registered as borrowed.

# ii) Batch processing could be the best solution when processing transactions due to the nature of business and the associated costs of performing a transaction when there is a high possibility that later on the transaction will be reversed, thus all transactions are monitored and executed at one convenient time, usually overnight.



ii) The camera collects the information about the vehicle this is then transmitted to the data bank where the depending on entering or exiting the photo is either stored or if exiting the matching photo is retrieved and total time calculated. This would involve the camera, a network linking camera to the computer and a database of all

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customers and current occupants of the airport.

- iii) a future application of ~~the~~ the technology used in this system could be the photo recognition of people using facial recognition software to access services such as gyms. This would pose a security threat of invasion of privacy and if people looked too similar for the computer to differentiate. However this approach to the automation of life is becoming increasingly popular and a lot of Research & Development is being put into automated systems to 'ease the stress of day-to-day life.' This just shows another application where the changing nature of work is affecting employment opportunities of the working population.

