Start here.

A)i) A RFID tag is a tag used to identify a device or or piece of equipment using radio waves, when the tag becomes in contact with radio waves it is able to identify the device effectively.

B) A):i) A transaction log keeps a record of all the transactions that have taken place with the system. The primary use for transaction logs is for recovery. Especially in a forward recovery where the last full back up is restored the last partial backup is restored there is still some transactions that occured as an organisation can't back up 24/7 so the transaction log is used to allow the reprocessing of all the transactions that occured since the last back up and subsequently ensure durability of all transactions that have occured. Transaction log can also be used to update the master file at the end of the day once transactions are completed.

B)i) A real time transaction processing system
is when data is processed instantaneously
providing immediate transactions to occur.
Some characteristics of a real time (TPS)
is having a short transaction which can
be processed in only a few seconds with
an end result. It has got a good
hardware configuration with TPS devices, direct
files and ~~systems that are~~ servers that can
process ~~data~~ large amounts of data.

A Real time TPS must be inflexible so all the
transactions must ~~occur the same~~ be notable
to change and the node of transaction unable
to change. They must be reliable — that every transaction
must occur properly. They must be controlled
processing where all processing take place the
same way. They must have rapid response
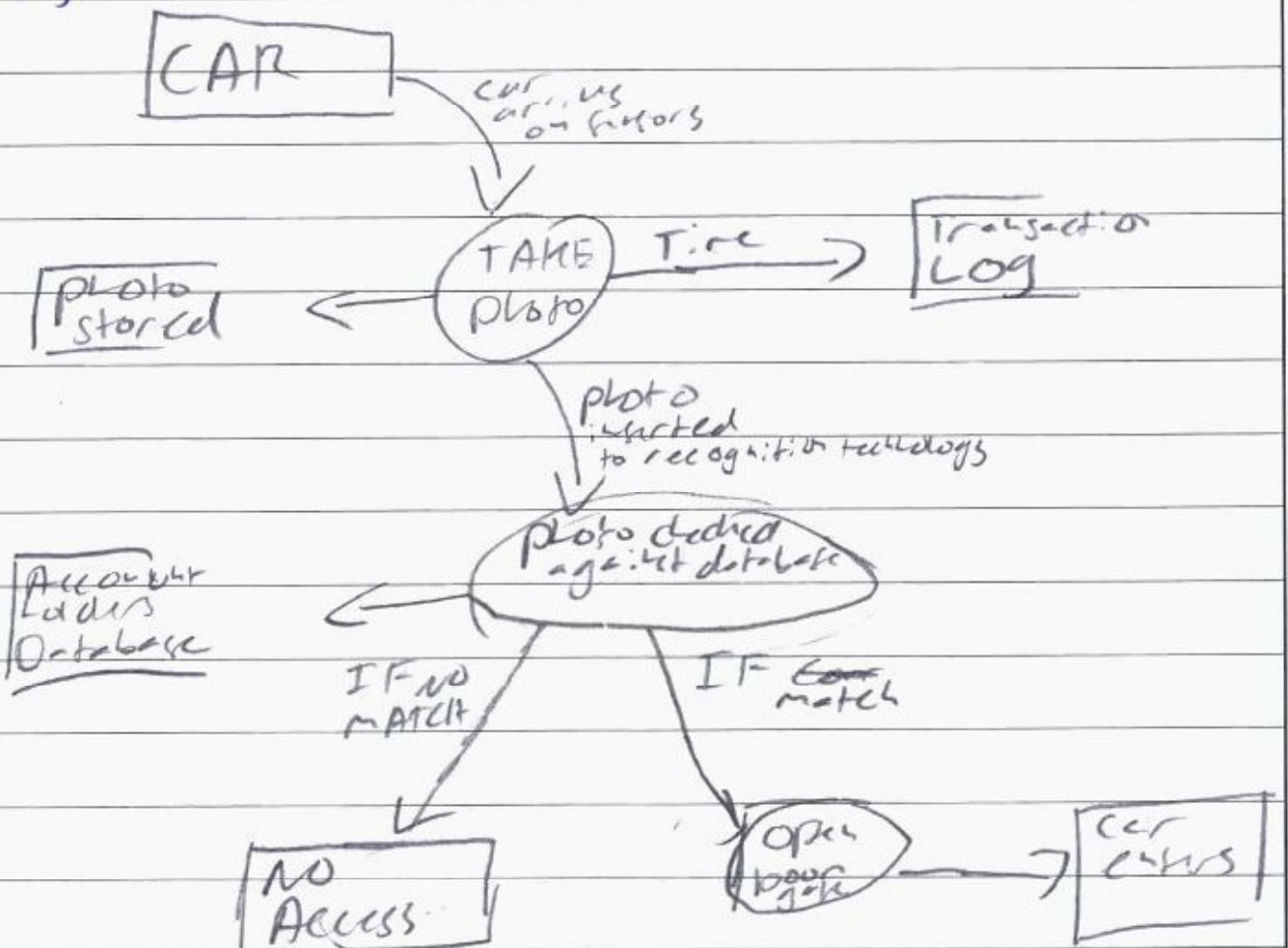where the data and response must occur
instantaneously

B)ii) Batch processing could be the
best solution for a lot of companies
Batch processing is ~~expensive~~ cheap

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Compared to real time processing which is expensive to maintain and set up and is expensive to continously be operating. Batch processing allows for one updating of the database which could potentially be cheaper as well.

Batch systems are easy to maintain and therefore don't require specialist experts to update the system and continously fix problems.

c) :)

Start here.

c)iii) The system perform various information process

Collecting:- the system firstly collects all people who are account holders and their licence plate number
- The system takes a photo to collect the number plate of the entering car.

Storing - The system stores the peoples number plates
- It stores the photos of the number plate
- It stores the times people enter exit in transaction log
- It stores the account holders bank details

Retriving - It retrieve licence plates to compare against for ID
~

c)iii) A future application of this technology could be Facial recognition software along with the licence plate recognition software to allow people who are attempting to gain access into the car park entry. This would allow security of cars and ensure people can't get into the carpark and steal them out. It would also store the persons photo and use computations of the face to match them together. This could allow for even more secure parking.

No longer with the technology applied the way it is and in the future with facial recognition able to process car park transactions and allow for people to enter the car park also out the car. This could mean potentially nobody would need to be employed to be present at the car park only if the system fails.