Notes for week 4 part 2 (MPEG Encoding)

MPEG Clock properties (SCR)
frequency = 90,000 Hz
fractional drift = 0.00005 Hz
absolute drift = ±4.5Hz
counter is 33-bits in size (this allows the clock to fully represent all values in the hh:mm:ss:ff timing format)

SCR – System clock reference.

PTS – Presentation time stamp. Indicates at what time (according to the SCR) the packet should be displayed.

DTS – Decode time stamp. Indicates at what time the packet should be decoded.

Cases for PTS/DTS: if PTS or DTS indicates a later time, buffer the packet until the indicated time.
if PTS or DTS indicates this time, present or decode appropriately
if PTS or DTS indicates an earlier time, drop the packet

The reason there are both a PTS and a DTS is due to the fact that I,P, and B frames need to be decoded and displayed at different times.