**CAPS**

**A Concurrent Sort Demo using playing cards**

**Note**: Establish a sequence around the room that represents **a pipeline** of concurrent processes (i.e. you lot) connected by channels (i.e. your hands which will pass playing cards around).

Make sure you always pass your card on to the same person in the sequence!

You should never keep more than one card.

The final person in the sequence will be the tutor who will collect cards and put them on the visualizer. The first person will also be the tutor who will issue cards from a shuffled pack.

**Algorithm/Rules**

**DO 'forever'**

Take a card from the person before you in the sequence and look at it.

**IF** you don't have a card already

**THEN** keep it safely.

**ELSE** **IF** its face value is less than or equal to the card you hold

**THEN** pass it straight on to the next person in the sequence

**ELSE** give your card to the next person and keep the one received.

*In short:* **IF** (card <= yours), pass it on