EXP 07 : CREDIT CARD PROCESSING SYSTEM

Collaboration diagram showing: customer, shopping keeper, card reader, and bank. Messages: purchase item, swipe card, submit receipt, verify card, make transaction.

Sequence diagram showing: customer, shopping keeper, card reader, bank.
1: purchase item()
2: calculate amount()
2: swipe card()
4: verify card()
5: acknowledgement()
6: make transaction()
7: acknowledgement()
8: submit receipt()

Deployment diagram

Component diagram

```
● → [select item] → [calculate item] → [swipe card] → [check availability] → [enter pin]
                                                                                    ↓
  ◉ ← [take card] ← [make signature] ← [generate receipt] ← [pay money]
```

```
        ●
        ↓
  [purchase item] → [calculate]
        ↓
  [swipe card] ──────────────────→ [verify card] → [send acknowledgement]
                                                            ↓
                                        [process card] ←────┘
                                            ↓
                                     [do transaction] → [send acknowledgement]
                                            
  [make signature] ←──────────────── [provide receipt]
        ↓
        ●
```